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Sixth Series, No. 1

Bulletin
of
Bates College

Bates College

1908-1909

Lewiston, Maine, December 1, 1908

BATES COLLEGE

LEWISTON MAINE

1908-1909

Lewiston, Maine
Press of Lewiston Journal Co.
1908

CALENDAR-1909

JANUARY.

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Calendar

1908		
Sept. 9	Academic Year begins: 8.40 A.M.	Wednesday
Oct. 15	Tuition due	
Oct. 19–24	Sophomore Preliminary Declamations	2 P.M.
Oct. 26	Prize Division	2 P.M.
Nov. 20–25	Term Examinations	Friday to Wednesday
Nov. 25	First Term closes	Wednesday
Dec. 30	Second Term begins: 8.40 A.M.	Wednesday
1909		
Jan. 28	Day of Prayer for Colleges	Thursday
Feb. 22	Washington's Birthday	Monday
March 1	Tuition due	
Feb. 23–March 5	Freshman Preliminary Declamations	2 P.M.
March 6	Prize Division	2 P.M.
March 10–20	Sophomore Debates	2 P.M.
March 22–26	Term Examinations	Monday to Friday
March 26	Second Term closes	Friday
April 7	Third Term begins: 8.40 A.M.	Wednesday
April 15	Senior Exhibition	Thursday, 7.45 P.M.
May 1	Tuition due	
May 30	Memorial Day	Sunday
June 15–19	Examination of the College Classes	Tuesday to Saturday
June 20	Baccalaureate Exercises	Sunday, 10.30 A.M.
June 20	Address before the College Christian Associations,	Sunday, 7.45 P.M.
June 21, 22	Examinations for Admission to College	Monday and Tuesday, 10 A.M., 2 P.M.
June 21	Sophomore Prize Debate	Monday, 2.30 P.M.
June 21	Junior Exhibition	Monday, 7.45 P.M.
June 22	Class Day Exercises	Tuesday, 2.30 P.M.
June 22	Concert	Tuesday, 7.45 P.M.
June 23	Annual Meeting of the Corporation	Wednesday, 9 A.M.
June 23	Annual Meeting of the Alumni	Wednesday, 4 P.M.
June 23	Reception to Graduates by Members of the Faculty,	Wednesday, 8 P.M.
June 24	Commencement	Thursday, 10 A.M.
June 24	President's Reception to the Graduating Class,	Thursday, 8 P.M.
Sept. 6, 7	Examinations for Admission to College,	Monday and Tuesday, 10 A.M., 2 P.M.
Sept. 8	Academic Year begins: 8.40 A.M.	Wednesday
Oct. 15	Tuition due	
Oct. 18–23	Sophomore Preliminary Declamations	2 P.M.
Oct. 25	Prize Division	2 P.M.
Nov. 24	First Term closes	Wednesday

General Information

FOUNDATION

Bates College grew out of the Maine State Seminary, chartered in 1855. In 1862 sixteen young men in this school petitioned the Trustees to provide facilities for collegiate instruction. In the fall of 1863 the first Freshman class was admitted, and in the winter of 1864 a new charter was secured, and Maine State Seminary became Bates College. The name Bates College was given by the Trustees in grateful acknowledgment of the generosity of Mr. Benjamin E. Bates of Boston, Mass., one of the founders of the city of Lewiston. Mr. Bates had taken a warm interest in the Seminary, and it was his encouragement, with a subscription in 1863 of $25,000, which led to its development into the college. To this sum he subsequently added $75,000. Mr. Bates died in 1877. Other friends have generously aided the institution, but none of their benefactions have equaled in amount the gifts of Mr. Bates.

Lewiston, in which the College is situated, is the second city in population in Maine, having about twenty-five thousand inhabitants. It is on the east bank of the Androscoggin, thirty-five miles northeast of Portland. It is connected by four bridges with Auburn, a city with twelve thousand inhabitants, on the opposite bank of the river. The two cities are among the most enterprising and progressive in the East. Many of their public buildings are exceptionally beautiful and substantial. Their excellent public schools are constantly bringing to the two cities from all parts of Maine, and even from adjoining states, parents eager to secure a good education for their children. The Lewiston High School and the Edward Little High School, of Auburn, rank among the best preparatory schools in New England. The pulpits of Lewiston and Auburn are occupied by able and scholarly men, and residents of few towns have better facilities for hearing the representative lecturers and orators of our country. The two cities are remarkably healthful, are situated amid some of the most beautiful scenery of the Androscoggin valley, and combine in a rare degree the educational influences afforded by the presence of business energy, of scholarly leisure, and of attractive environments. They are a little more than four hours distant from Boston, and are accessible from all directions by means of four railways,—the Grand Trunk, Portland and Rumford Falls, and two lines of the Maine Central. The college grounds consist of fifty acres in the suburbs of Lewiston. They have great natural beauty and command fine views of the surrounding country. From the summit of Mount David, given by Mrs. Archibald Wakefield and the late Mrs. John M. Frye, as the site for an astronomical observatory, the White Mountains, more than fifty miles away, are distinctly visible.

CHARACTER OF THE COLLEGE

The college is unsectarian in all its aims and methods, but it is unequivocally Christian. Breadth and thoroughness are sought, not only in literary and scientific attainments, but in moral and spiritual culture. What are called the vices of student life are practically unknown at Bates. No student can be a member of the College without taking and keeping a pledge to abstain from alcoholic drinks. Hazing has never been tolerated. A large percentage of the students are actively religious, and among them are represented nearly all the religious denominations of New England. It has been the constant aim of the College to encourage and aid students of limited means and to exclude such habits and customs as lead to extravagant and unnecessary expenditures. Planted in a thrifty and frugal community, Bates is for a wide area the natural college home for students of limited means. The community, with its numerous industries, offers unusual opportunities for work; and college spirit and tradition make labor honorable. The Faculty of Bates find one of their highest pleasures in helping young men and young women to solve the problem of ways and means. Alone of New England colleges, Bates still encourages needy students to teach during a part of each year; and she does not find such teaching, under proper restrictions, harmful either to scholarship or character. Every year Bates students are engaged in more than sixty different kinds of employment. Ninety-three permanent scholarships, of $1,000 each, pay the annual tuition of as many deserving young men and young women. Students of ample, of moderate, and of limited means live and work together in absolute social equality. From its organization in 1863, the College has received young women on the same terms with young men, thus beginning on the Atlantic sea-board the movement for the higher education of women.

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AURELIA SPRINGER, M.D.,
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Terms of Admission

All candidates for admission to the College must offer satisfactory testimonials of good moral character; and those who have been members of other colleges must present certificates of regular dismission.

The requirements in particular subjects are as follows:

LATIN

I. Elementary Latin.

The examination will be adapted to the proficiency of those who have studied Latin in a systematic course of five exercises a week for at least three years.

The reading in preparation for Elementary Latin should include any four books of Cæsar's Gallic War, preferably the first four; Cicero's four Orations against Catiline, the Oration for Archias, and The Manilian Law.

Careful attention should be given from the beginning to the correct pronunciation of Latin words according to the Roman Method; to the inflections; to the syntax of cases; to the structure of sentences, with particular regard to relative and conditional sentences, indirect discourse, and the subjunctive; and to Latin prose composition. The examination will include the following:

1. The translation at sight of passages of Latin prose.
2. A thorough examination on Cicero's Orations against Catiline, II, III, IV, directed to testing the candidate's mastery of the ordinary forms, constructions, and idioms of the language.

II. Advanced Latin.

In addition to the preparation mentioned above for Elementary Latin, the candidate should read at least the first six books of Vergil's Æneid. He should acquire a knowledge of as much Prosody as relates to accent, versification in general, and the dactylic hexameter. It is believed that the study of Vergil for one year with five exercises a week will give the required proficiency. The examination will include the following:

1. The translation at sight of passages of Latin prose and verse.

2. A thorough examination on Vergil's Aeneid, I and II, directed to testing the candidate's mastery of the ordinary forms, constructions, idioms, and prosody.

3. The translation into Latin of detached sentences and easy narrative based upon Cæsar and Cicero.

GREEK

I. Elementary Greek.

Candidates presenting this subject should be able to translate at sight simple Attic prose, and should possess a thorough mastery of ordinary Greek inflections, principles of syntax, and idioms, involving the ability to write simple Attic prose. To attain the required proficiency, a student should have studied Greek two years, in a systematic course of five exercises a week, including the reading of four books of Xenophon's Anabasis or an equivalent, thorough study of grammar, and considerable practice in writing Greek sentences involving ordinary idioms and constructions.

II. Advanced Greek.

Candidates presenting this subject should be able to translate at sight passages from Homer, as well as from Attic prose, and should be well grounded in the epic dialect, the prosody of Homer and the general features of Homeric life. They should also be able to translate into Attic prose simple English passages of connected narrative. These requirements involve, in addition to the course in Elementary Greek, a third year of study, with exercises five times a week, and necessitate the reading of additional Attic prose and of at least the first three books of the Iliad or an equivalent, and practice in the writing of connected passages of Attic prose.

Students admitted without Greek may begin the study of Greek in the Freshman year and go on to the regular courses in that language.

ENGLISH

Preparation in English has two main objects: (1) command of correct and clear English, spoken and written; (2) power to read with intelligence and appreciation. The attainment of these objects requires a course of study covering at least three years, with five recitation periods each week.

To secure the first end, training in grammar and the simpler principles of rhetoric, and the writing of frequent compositions are essential. The candidate must be able to spell, capitalize, and punctuate correctly. He must show a practical knowledge of the essentials of terminology, inflections, syntax, the use of phrases and clauses; a thorough training in the construction of the sentence; and familiarity with the simpler principles of paragraph division and structure.

To secure the second end, the reading of a certain number of books is prescribed. The list is intended to give the candidate the opportunity of reading, under intelligent direction, a number of important pieces of literature. The prescribed books are divided into two groups as follows:

A

READING AND PRACTICE—The candidate will be required to present evidence of a general knowledge of the subject-matter of the books mentioned and to answer simple questions on the lives of their authors. The examination will usually be the writing of a paragraph or two on each of several topics to be chosen by the candidate from a considerable number set before him in the examination paper. The treatment of these subjects is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified by his instructor, containing compositions on other written work done in connection with the reading of these books. The books for this part of the examination will be:

For 1909, 1910, 1911.

Group I. (two to be selected). Shakespeare's As You Like It, Henry V, Julius Caesar, The Merchant of Venice, Twelfth Night.

Group II. (one to be selected). Bacon's Essays; Bunyan's The Pilgrim's Progress, Part I; The Sir Roger de Coverley Papers in the Spectator; Franklin's Autobiography.

Group II. (one to be selected). Chaucer's Prologue; Spenser's Faerie Queene (selections); Pope's The Rape of the Lock; Goldsmith's The Deserted Village; Palgrave's Golden Treasury (first series) Books II. and III., with especial attention to Dryden, Collins, Gray, Cowper and Burns.

Group IV. (two to be selected). Goldsmith's The Vicar of Wakefield; Scott's Ivanhoe; Scott's Quentin

Durward; Hawthorne's The House of the Seven Gables; Thackeray's Henry Esmond; Mrs. Gaskell's Cranford; Dickens' A Tale of Two Cities; George Eliot's Silas Marner; Blackmore's Lorna Doone.

Group V. (two to be selected). Irving's Sketch Book; Lamb's Essays of Elia; De Quincey's Joan of Arc and The English Mail Coach; Carlyle's Heroes and Hero Worship; Emerson's Essays (Selected); Ruskin's Sesame and Lilies.

Group VI. (two to be selected). Coleridge's The Ancient Mariner; Scott's The Lady of the Lake; Byron's Mazeppa and The Prisoner of Chillon; Palgrave's Golden Treasury (First Series) Book IV., with especial attention to Wordsworth, Keats and Shelley; Macaulay's Lays of Ancient Rome; Poe's Poems; Lowell's The Vision of Sir Launfal; Arnold's Sohrab and Rustum; Longfellow's The Courtship of Miles Standish; Tennyson's Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought The Good News from Ghent to Aix, Evelyn Hope, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Hervé Riel, Pheidippides.

B

Study and Practice.—This part of the examination presupposes a careful study of the works named below. The examination will be upon subject-matter, form and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy. The books for this part of the examination will be:

For 1909, 1910, 1911, Shakespeare's Macbeth; Milton's Lycidas, Comus, L'Allegro, and Il Penseroso; Burke's

Speech on Conciliation with America, or Washington's Farewell Address and Webster's First Bunker Hill Oration; Macaulay's Life of Johnson, or Carlyle's Essay on Burns.

MATHEMATICS

ELEMENTARY MATHEMATICS.

(1) Algebra. Through equations of the second degree.

Although candidates are not examined in Arithmetic, a thorough knowledge of its fundamental principles is an essential part of a preparatory course. This subject should not be neglected by candidates.

The required work in Algebra should cover one and a half years of five recitations per week, and includes the following subjects: Factors, fractions, ratio and proportion; negative quantities and interpretation of negative results; a thorough knowledge of radicals and the solution of equations involving radicals, fractional and negative exponents; the binomial theorem for positive integral exponents; extraction of roots; the solution of equations with one or more unknowns, whether of the first or second degree, and with literal as well as numerical coefficients, and of problems leading to such equations; arithmetical and geometrical progression.

It is recommended that the student familiarize himself with the solution of simultaneous equations of two or three unknowns, that he be able to solve quadratics at sight either by factorization or by formula, and that he learn to draw the graphs of linear and quadratic equations of two unknowns.

(2) Plane Geometry. The required work in plane geometry should extend throughout one year of five recitations per week.

The theorems and constructions as found in good text-books: The properties of plane rectilinear figures; the circle, and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle. A large part of the time should be given to original demonstrations of exercises, and this should be insisted upon as a part of the required work in the course.

ADVANCED MATHEMATICS.

(1) Algebra, including choice, chance, theory of limits, the binomial thereom for negative and fractional exponents, logarithms, series, determinants, graphs, derivatives, and the theory of equations.

(2) Solid Geometry, as represented by the ordinary college text-books. Candidates should be able to solve readily problems of solid mensuration and to demonstrate original theorems that may be deduced easily from the text.

(3) Plane Trigonometry, as represented by the usual text-books. Candidates must be familiar with the theory and use of six-place logarithmic tables.

FRENCH

ELEMENTARY FRENCH.

The work to be done during the first year should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plurals of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing French from dictation.

During the second year, the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, of pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and the subjunctive.

Suitable texts for the second year are: About's "Le roi des montagnes," Bruno's "Le tour de la France," Daudet's easier short tales, La Bédollière's "La Mère Michel et son chat," Erckmann-Chatrian's stories, Foa's "Contes biographiques" and "Le petit Robinson de Paris," Foncin's "Le pays de France," Labiche and Martin's "La poudre aux yeux" and "Le voyage de M. Perichon," Legouvé and Labiche's "La cigale chez les fourmis," Malot's "Sans famille," Mariet's "La tâche du petit Pierre," Mérimee's "Colomba," extracts from Michelet, Sarcey's "Le siége de Paris," Verne's stories.

ADVANCED FRENCH.

During the third year the work should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

Suitable texts are: About's stories, Augier and Sandeau's "Le gendre de M. Poirier," "Béranger's poems," Daudet's "La Belle-Nivernaise," Corneille's "Le Cid" and "Horace," Coppée's poems, Le Brète's "Mon oncle et mon curé," Madame de Sévigné's letters, Hugo's "Hernani" and " La Chute," Labiche's plays, Loti's "Pêcheur d'Islande," Mignet's historical writings, Molière's "L'Avare," and "Le Bourgeois Gentilhomme," Racine's "Athalie," "Andromaque" and "Esther," George Sand's plays and stories, Sandeau's "Mademoiselle de la Seiglière, Scribe's plays, Thierry's "Recits des temps mérovingiens," Thier's "Le'expédition de Bonaparte en Egypte." Vigny's "La canne de jonc," Voltaire's historical writings.

GERMAN

ELEMENTARY GERMAN.

1. Proficiency in elementary German grammar, implying familiarity with the following topics: declension of nouns, adjectives and pronouns, conjugation of weak verbs and the more common strong verbs; the prepositions; the simpler uses of the modal auxiliaries; the simpler rules of syntax and of word order.

2. Ability to pronounce German correctly. Imitation of the teacher's pronunciation will be the chief factor in acquiring this.

3. Ability to translate a passage of simple prose at sight. From 150 pages to 200 pages should be read concurrently with the grammar work, chiefly narrative prose with some short lyric poems. Storm's Immensee, Zschokke's Der Zerbrochene Krug, Gerstäcker's Germelshausen, and similar pieces are recommended.

4. Ability to translate into German easy sentences based upon works read.

ADVANCED GERMAN.

In addition to the elementary requirements:

1. Ability to translate at sight ordinary German into good English, such as may be gained by the reading of not less than five hundred pages of classical and contemporary prose and verse selected from such works as Lessing's Minna von Barnhelm; Schiller's Wilhelm Tell, Maria Stuart, Jungfrau von Orleans and Gedichte; Heine's Reisebilder und Gedichte; Freytag's Die Journalisten und Bilder aus der Vergangenheit; Scheffel's Trompeter von Säkkingen; Uhland's Gedichte; Hoffman's Historische Erzählungen; Meyer's Gustav-Adolf's Page; Riehl's Novellen.

2. Ability to discuss the main facts in the life of each author studied and to discuss the characters in the dramas selected.

3. Ability to read every text intelligently in the original. Constant oral practice in the class-room is recommended.

4. A knowledge of the elements of word-formation and of the principal uses of prepositions, conjunctions, modal auxiliaries, the subjunctive mode and the infinitive.

CHEMISTRY

The examination in this subject implies an acquaintance by recitation and laboratory work with elementary processes and with the properties of common chemical substances; also a familiarity with the chemical notation in its arithmetical meaning, including the ability to solve simple problems based on the relations expressed by formulas and equations.

The requirements in this subject include the study of both metals and non-metals, and may be met by the use of any good Elementary text-book and laboratory manual.

PHYSICS

The student must present satisfactory evidence that he has completed a year's work in Physics consisting of two recitations per week in a first-class text-book (Carhart & Clutes preferred) and one two-hour laboratory period. A certified note-book must be presented showing the student's *original record* of at least forty experiments.

BIOLOGY

One year's work in Biology may be offered for two points in the preparatory course. The year's work should be equivalent to at least one hundred one hour exercises, consisting of at least one-half laboratory work. The note-book records of laboratory work, certified by the instructor, will be required. The course may consist of one year's work in Zoölogy, or one year's work in Botany, or one-half year's work in each.

It is desirable that considerable field work be done; that the animals and plants be studied in their natural environment. A large amount of data, obtained through accurate observation out-of-doors, forms the best foundation for the work to be accomplished in the laboratory and recitation room.

It is more important that a relatively small amount of laboratory work be carefully and thoroughly accomplished by proper laboratory methods, than that a large amount of ground be covered in a superficial and unscientific manner.

For a year's work in Zoölogy, the following texts—supplemented with such laboratory work as time and text would require—are approved: General Zoölogy, by Linville and Kelley; Zoölogy, Descriptive and Practical, by Colton; Introduction to Zoölogy, by Davenport.

For one-half year's course in Zoölogy: Animal Life, by Jordan and Kellogg; Animal Forms, by Jordan and Heath; Practical Zoölogy, by Davison.

For a year's course in Botany: Plants, by Coulter; Elements of Botany, by Bergen; Introduction to Botany, by Stevens.

For a one-half year's course in Botany: such parts—selected by instructor—of one of the above texts, as can be properly handled in the time.

HISTORY

ANCIENT HISTORY.

a. Roman History to the end of the reign of Marcus Aurelius, with due reference to literature and government. *b.* Greek History to the death of Alexander, with due reference to Greek life, literature and art.

ENGLISH AND AMERICAN HISTORY.

a. English History, with due reference to social and political development. *b.* American History with the elements of civil government.

ADMISSION GROUPS

To show clearly the requirements for admission, the following grouping of the preceding subjects is made. Candidates for admission to the Freshman Class in any course must show adequate preparation in all the subjects of Group I and in enough of Group II to make a total of 28 points. To count 2 points a subject must be pursued for one school year with five recitation periods per week.

GROUP I

English, A and B, (3 years)	6	points
Latin, Elementary and Advanced	8	“
Algebra	3	“
Plane Geometry	2	“

GROUP II

Elementary Greek	4	“
Advanced Greek	2	“
Elementary French	4	“
Advanced French	2	“
Elementary German	4	“
Advanced German	2	“
*Chemistry	2	“
*Physics	2	“
*Biology	2	“
Advanced Algebra	1	“
Solid Geometry	1	“
Plane Trigonometry	1	“
Roman History	1	“
Greek History	1	“
American History	1	“
English History	1	“

*The work in the Sciences must include certified note-books exhibiting the results of experimental work performed by the students.

Candidates for the degree of Bachelor of Arts must present in addition to Group I a selection of subjects from Group II aggregating nine units according to the valuation indicated there. This selection must include Greek and Roman History, and either Elementary and Advanced Greek, or Elementary French or German.

Candidates for the degree of Bachelor of Science must present in addition to Group I a selection from Group II aggregating nine units. This selection must include English and American History, Solid Geometry and Elementary French or German.

Applicants for admission that have not had the requirements in Latin, but have had work aggregating at least twenty-eight points as indicated in the Admission Groups, may be received as candidates for the Bachelors' degrees. Such students will be required to carry on the study of Latin in college until all the requirements of the college, both for admission and for Freshmen, shall have been completed. Courses calculated to aid in securing these results may be found on page 34.

Graduates of preparatory schools whose methods and courses of study are approved by the Faculty of the College may be admitted provisionally, upon the certificates of the principals of such schools. The certificates must clearly show that the amount and quality of the work done by those who present them are equivalent to the published requirements of the college. At the close of the first term all who have done scholarly work and maintained satisfactory deportment will be admitted to full standing.

All candidates for advanced standing not presenting certificates from other colleges will be examined in the preparatory studies, and also those previously pursued by the class they propose to enter, or in other studies equivalent to them.

Students of good character who are prepared to do college work, may be admitted to special courses under the direction of the Committee on Registration. All students who can do so are advised to matriculate for a degree, and no one will be allowed to use the privilege here offered for the purpose of securing a merely nominal connection with the college. Special students are subject to the same regulations regarding attendance and examinations as candidates for degrees, and must take fifteen hours of class-room work per week.

The regular examinations for admission to college begin on Monday preceding Commencement, and on Monday preceding the first day of the Fall term, at 10 o'clock A.M., in Room No. 5, Hathorn Hall. Arrangements may be made for taking examinations at the student's own school on the 3d Monday preceding Commencement.

Courses of Instruction

Most of the work of the Freshman year is required. Electives are introduced in the Sophomore year and are increased in number as the course goes on. The essentials of a liberal education are constantly kept in view and the attainment of knowledge is made tributary to the love of study, the habit of investigation, and the tastes and aptitudes of the scholar. The individuality of students is recognized and encouraged without the sacrifice of breadth and thoroughness. Class-room work is supplemented by original observation and research and by a systematic use of the College Library.

While in every department the cultural aim is held constant and controlling, the culture sought is of the kind that pays tribute to life. While not mistaking itself for a professional school or a technical school, the College seeks to make all its instruction practical. Each teacher remembers that forty-three out of every hundred of Bates graduates become educators, and strives to exemplify the best Pedagogy. In addition, the College gives four definite courses in Education which, while thoroughly cultural, ensure to those pursuing them a teacher's certificate of the first class from State Boards of Education. In like manner, the courses in Elocution and in English, especially the courses in Argumentation, prove of great value to graduates who engage in public speaking and, in particular, to those who practice Law. So, also, the courses in Oriental History and Literature and in Christian Literature and Ethics, while having a choice cultural value, are a substantial aid to students contemplating the Christian Ministry—being accepted as the full equivalent of a year's work in the best Theological Schools. The thorough courses in Chemistry meet the requirements of the best Medical Schools, and those in Biology receive equal recognition. The work in Mechanics, in Electricity and Magnetism, and in the Elements of Electrical Engineering, assures to the general student of these subjects an intelligent acquaintance with the great natural forces of the industrial world and enables the prospective engineer to gain, at comparatively slight cost, advanced standing in such schools of applied science as the Massachusetts Institute of Technology.

LATIN

Latin is offered throughout the four years, three hours a week, except in Latin 6, and is required of all Freshmen. The courses for Juniors and Seniors are given in alternate years, and are open to both classes.

The courses of study in this department have been arranged with the belief that an acquaintance with Latin literature is an essential of real culture. An effort is made to cultivate the ability to read Latin easily and at sight, to secure grace in translation, an appreciation of the literary worth of the author, and a clear mental picture of the life and times in which each wrote.

Students intending to devote themselves to the teaching of Latin are advised to pursue the study of Latin for at least nine terms, and of Greek for at least five.

1. Livy: Burton's Selections. Review of the syntax of the Latin verb and noun. Required of Freshmen First term.

2. a. Selections from Latin Poets. Ennius, Catullus, Tibullus, Ovid, Phædrus, Seneca, Martial *(The Harvard*

Selections). Lectures on the history of Latin Literature. Required of Freshmen. Second term.

2. b. Livy: Continued. Horace: Odes, begun. Study of the Metres of Horace. Required of Freshmen. Second term.

3. Horace: Odes, Epodes, and Carmen Saeculare. Required of Freshmen. Third term.

4. Cicero: *De Senectute* and *De Amicitia,* with special attention to interpretation. Elective for Sophomores. First term.

5. Latin Comedy: *Menoechmi* or *Captivi* or *Rudens* of Plautus, and *Phormio* of Terence. Lectures on the relation of the Latin to the Greek comedy. Elective for Sophomores. Second term.

6. Latin Composition. The work of *Latin 6* is especially adapted to the needs of such students as expect to teach Latin in later years. Elective for Sophmores. One hour a week through the year.

*7. Juvenal: Selected Satires. Martial: Selected Epigrams. Roman private antiquities. Elective for Juniors and Seniors who have completed at least one elective course. First term.

*8. Tacitus: Selections from the Annals. Elective for Juniors and Seniors who have completed at least two elective courses. Second term.

*9. Pliny the Younger: Selected Letters. Elective for Juniors and Seniors who have completed at least two elective courses. Third term.

10. The Elegiac Poets of the Augustan Age. Tibullus, Propertius, and Ovid. Elective for Juniors and Seniors who have completed at least one elective course. First term.

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*Omitted in 1908–09.

11. Cicero: *Tusculan Disputations,* Book I, and *The Dream of Scipio.* Cicero as a student of philosophy. Elective for Juniors and Seniors who have completed at least two elective courses. Second term.

12. Horace: Satires and Epistles. Lectures on suitable topics. Elective for Juniors and Seniors who have completed at least two elective courses. Third term.

Special attention is called to the courses mentioned below. As was stated on page 29, students whose knowledge of Latin does not satisfy the requirements for admission, but whose preparation is otherwise adequate, will make up their deficiencies while in college.

The Assistants in Latin will give instruction to such students in the following courses:

a. Latin lessons. First Year Latin, easy prose. Five hours. One year.

b. Latin prose and poetry. Five hours. One year. Required of Freshmen. Three hours; first term.

GREEK

The courses in Greek are so arranged as to give the student a first-hand acquaintance with nearly all the divisions of the wide and varied field of Classical Greek Literature—Epic and Lyric Poetry, the Drama, the Historians, the Orators, Plato and Theocritus. The foremost purpose is to lead to an appreciation of the individual masterpieces read. At the same time the student is encouraged to become acquainted with the entire groups of which these separate works are specimens, and with the history, civilization and art of the periods to which they belong. Lectures and class and individual assignments of library work serve to enlarge the outlook gained from study of a single text. With the same end in view as many additional works as possible are covered through sight reading, and the reading and discussion of translations. While drill in grammar and syntax is not made the main end, accuracy and precision in these subjects are insisted upon throughout the course. Another constant purpose is to prepare intelligent and enthusiastic teachers of the Classics.

Courses 1, 2 and 3 are required for all Freshmen who offer Greek for entrance. Students who expect to teach Greek or Latin, or who desire to secure a fairly complete classical course, are advised to continue Greek at least through the first two terms of their Sophomore year, taking courses 4 and 5, or 7 and 8. The courses in the Latin Department for the Sophomore year are so arranged as to facilitate this, making it possible without interfering with other desired work to secure two courses in Greek and three in Latin during this year. These courses are open also to Juniors. Courses 6 and 9, which are somewhat more difficult, are recommended to those who wish to specialize in Greek, and Course 10 to those who expect to teach Greek.

1. The Odyssey, selection from Books XIII-XIV. Required of Freshmen. Three hours; first term.

2. Herodotus, Books VII and VIII. Required of Freshmen. Three hours; second term.

3. Lysias, Selected Orations. History of Greek Literature. Required of Freshmen. Three hours; third term.

4. Sophocles, Oedipus Tyrannus. Collateral reading of the other extant tragedies of Sophocles in Plumptre's version, and of specimen plays of Aeschylus and Euripides. Elective for Sophomores and Juniors. Three hours; first term.

5. Plato, Apology and Crito, and selections from the Republic. Elective for Sophomores and Juniors. Three hours; second term.

6. Pindar, Selected Odes. Elective for Sophomores and Juniors. Three hours; third term .

7. Iliad of Homer; reading of selected books, and of intervening passages in English versions, with a view to acquiring a knowledge of the Iliad as a whole. Elective for Sophomores and Juniors. Three hours; first term.

8. Greek Lyric Poetry. Elective for Sophomores and Juniors. Three hours; second term.

9. Theocritus, Idyls. The literature and social conditions of the Alexandrian Period. Elective for Sophomores and Juniors. Three hours; third term.

10. Greek Composition. This course is recommended as valuable for those intending to teach Greek or Latin. Elective for Sophomores, Juniors, and Seniors. One hour per week, throughout the year.

(Courses 7, 8, 9 and 10 will be omitted in 1908-9).

Special attention is called to the following courses, designed for students who enter College with a preparation in French or German instead of Greek, and who wish to begin Greek in the Freshman year. It is perfectly feasible for a student taking these courses to cover thoroughly in two years substantially all the Greek required for admission to college. The same credits are given for these courses as for courses 1 to 6. Students who have completed Course 6, a, may, in their Junior year, enter upon Course 1, or, with the approval of the instructor, upon Course 4 or 7.

1. a. White's First Greek Book. Three hours; first term.

2. a. White's First Greek Book. Three hours; second term.

3. a. First Greek Book, completed. Xenophon's Anabasis, Book IV. Three hours; third term.

4. a. Selections from Lucian and Herodotus. Review of Grammar and Syntax. Sophomore year. Three hours; first term.

5. a. Homer, Selected Books from the Iliad or Odyssey. Sophomore year. Three hours; second term.

6. a. Homer, continued. Sophomore year. Three hours; third term.

ENGLISH

1. Composition and Rhetoric. A systematic study of Description: the writing of weekly themes on assigned and elective topics. Baldwin's Specimens of Prose Descriptions furnish models for Composition work. Hill's Foundation of Rhetoric. Constant reading outside of class is required. Required of all Freshmen. Two hours; first term.

2. Composition and Rhetoric. A systematic study of Narration: the writing of one short story each week; the application of Descriptive writing to Narration. Hill's Foundation of Rhetoric. Required reading. Required of all Freshmen. Two hours; second term.

3. Composition and Rhetoric. A systematic study of Exposition; the application of method and outline to essay, criticism, lecture, address, oration, editorial article and sermon; a careful explanation of the relation of exposition to argumentation. Wooley's Handbook of Composition. Required of all Freshmen. Two hours; third term.

4. Argumentation. Foster's Argumentation and Debating; brief-drawing; the preparation and delivery of

debates. Required reading of masterpieces. Required of all Sophomores. Three hours; first term.

5. Debating. Each member of the class is required to draw up a certain number of briefs; to write from these briefs finished debates; to deliver debates from briefs orally before his class. Required of Sophomore men; elective for women. Three hours; second term.

6. American Literature. The historical development of American literature, with a study of selected works, based on the principles of literary criticism. Reports, abstracts and discussion in class. Three hours; second term.

(Required of Sophomore women who do not elect English 5).

NOTE.—All written work in courses 1 to 6 is corrected and returned to the writer with criticism and suggestions. Every student is required to meet the instructor at stated hours for conference. Hours are also set apart for voluntary conference.

7. Advanced Composition. Open to Sophomores who have shown excellence in some form of composition. The work is, therefore, adapted to individual needs and ambitions. The composition work is supplemented by a study of the literary principles of criticism as applied both to prose and poetry. Third term; three hours.

8. Advanced Argumentation. Open to a limited number of Juniors and Seniors who desire to prepare for intercollegiate debating, and who have shown ability in previous work in Argumentation.

9. Special Composition. Open to Juniors and Seniors who have shown marked ability in English Composition. Seminar three times a term. Work is carefully criticised ad reviewed in conference with the student. Runs through college year and counts as course for one term.

10. Public Speaking. Open to Juniors and Seniors who have shown ability in public speaking. Manuscripts come under the supervision of the instructor in English; training for public presentation under the direction of the instructor in Oratory. Three hours; second and third terms.

11. The drama. Lectures on the origin and development of the drama, and its history from Æschylus to Shakespeare. Critical study of selected plays of Shakespeare, with required reading of other works of the Elizabethan age. Outline History of English Literature, one hour each week. Four hours; first term. Required of Juniors.

12. Literature of the Seventeenth and Eighteenth Centuries. Critical study of selected works of prose and poetry, with lectures on the literary history and biography of the period. Required reading of other works, with research in the Library; reports, abstracts, and discussion in class. Four hours; second term. Elective for Juniors.

13. Literature of the Eighteenth and Nineteenth Centuries. Critical study of selected works, with lectures. Required reading of other works, and investigation of special topics. Four hours; third term. Elective for Juniors.

14. Lectures on literary criticism, with special reference to fiction. Reading of selected works of the Nineteenth Century. Investigation of topics in literary history and criticism. Four hours; first term. Elective for Seniors.

15. History of the English Language. (First six weeks). Critical study of Chaucer; Prologue to the The Canterbury Tales, and two of the Tales. Topical study

of English history in the time of Chaucer. (Last six weeks). Four hours; second term. Elective for Seniors.

16. English Literature of the Nineteenth Century. Special study of Tennyson and Browning. Four hours; third term. Elective for Seniors.

17. Teachers Course. Designed for those who expect to teach English in secondary schools. Extra, 1 hour per week; second and third term.

SOPHOMORE PRIZE DEBATES

Preliminary Debates.—All Sophomores are required to take part in these debates, the subjects of which are announced in the first term of Freshman year. A prize for excellence in debate is awarded in each division of the class. Second term.

Champion Prize Debate.—The speakers presenting the best arguments in the Preliminary Debates compete in the Champion Prize Debate, held during Commencement week; all other Sophomores present Essays on a prescribed subject, in competition for a prize. Third term.

REQUIRED COMPOSITION WORK OF JUNIOR AND SENIOR YEARS

This work, in continuation of that done in courses 1 to 5, is required of all members of the Junior and Senior classes, whether they elect English or not. An essay is presented in each term as follows:

11[1]. Essays based on the study of masterpieces of Exposition or Persuasion. Junior year, first term.

12[1]. Theses on subjects requiring extended investigation. Junior year, second term.

13[1]. Original declamations on assigned subjects. Each member of the Class reads his declamation before a committee, by whom the best twelve are selected for delivery in a prize contest during Commencement week. Junior year, third term.

14[1]. Essays in criticism of some classic in English or American fiction. Senior year, first term.

15[1]. Original Parts for the Senior Exhibition. Each student reads his part before a committee, who choose twelve to speak in the Exhibition. Senior year, second term.

16[1]. Commencement Parts. Every member of the class writes a part, but the Commencement speakers are chosen on the basis of scholarship. Senior year, third term.

GERMAN

The study of German is required during the Sophomore year, and is elective during the Junior and Senior years, three hours per week.

The aim of the required work is the acquisition of a thorough knowledge of the fundamentals of German grammar and the ability to translate into good English fairly difficult German prose and poetry. The aim of the elective work is a sympathetic literary interpretation of all texts read, an introduction to the masterpieces of the German drama of the classical period, a general knowledge of the history of German literature and a comprehensive view of the tendencies in German literature since Goethe's death.

Careful drill in pronunciation and the intelligent reading of the German text are insisted upon. Some practice in conversation is given, and German is used in the class-room as far as is deemed advisable by the instructor. In the elective courses a large amount of collateral reading outside the class-room is expected. Advanced grammar and composition are not lost sight of throughout the course, although no specialty is made of these subjects after the first year.

1, 2, 3. Elementary Course. Grammar; prose composition; dictation; sight reading; translation of easy German prose and poetry. Three hours. Throughout the year. Required of all Freshmen who present elementary French for admission; and of all Sophomores who do not present elementary French or elementary German for admission.

1 a, 2 a, 3 a. Intermediate Course. Selected works of classical and modern authors; review of the grammar of the first year, and study of the syntax based upon the text; prose composition. Three hours; throughout the year. Required of all Freshmen who present elementary German for admission; and elective for Sophomores who have passed in 1, 2, and 3.

4. German Literature of the Eighteenth Century. Lessing: *Nathan der Weise, Minna von Barnhelm.* Lectures on Lessing's life and works. History of German Literature from 1500 to 1748 in brief outline. Outside reading in Heyse and Eckstein. Three hours; first term.

(Elective for Juniors who have passed in German 1, 2, and 3).

5. German Literature of the Eighteenth Century. Schiller: *Maria Stuart, Wilhelm Tell.* Selections from Schiller's ballads and lyrics. Lectures on Schiller's life and works. History of German Literature from the earliest times to 1050 in brief outline. Outside reading in Baumbach and Wildenbruch. Three hours; second term.

6. German Literature of the Eighteenth Century. Goethe; *Hermann and Dorothea, Dichtung und Wahrheit* (selections). Lectures on Goethe's life and works.

History of German Literature from 1050 to 1500 in brief outline. Outside reading in Riehl and Hauff. Three hours; third term.

7. Goethe: *Faust*. Part I and selected portions of Part II. In addition to a critical study of the text, special attention is given to the history of the *Faust* legend and the life of Goethe as reflected in *Faust*. Outside reading in connection with the *Faust* theme. Four hours; first term.

8. The Romantic School in Germany. The purpose of this course is a systematic study of the philosophic, literary, and social aspects of the Romantic movement in Germany. Lectures, collateral readings, and reports. Three hours; second term.

8 a. Heine. An introduction to the study of his life and poetry. *Buch der Lieder, Harzreise, Briefe*. (Not offered in 1908-1909).

9. Modern German Drama. Selected dramas of Grillparzer, Hebbel, Ludwig, Sudermann and Hauptmann. A rapid reading course. In 1908-1909 the work will center about Hebbel in an attempt to study his life, poetry, and theory of art. Three hours; third term.

9 a. The Modern German Novel. Selected novels of Freytag, Keller, C. F. Meyer, and Sudermann. A rapid reading course. (Not offered in 1908-1909). (Courses 5-9 are elective for students who have passed in German 4 or its equivalent).

10. German Seminary. Special work with advanced students. In 1908-09 the subject will be The Life and Works of Eichendorff.

11. Teachers' Course. A general review of German grammar. Essentials of phonetics. Practice in conversation. Discussion of the theories of instruction in the modern languages. One hour; second and third terms.

(Courses 10 and 11 do not count for a degree).

ROMANCE LANGUAGES

FRENCH

Elementary Course.—Required of students who have had no French. Three hours each term.

1. Fraser and Squair's Grammar. Pronunciation, conversation.

2. Reading of modern prose authors. Solial's Petite Histoire de Napoléon le Grand. Written and oral exercises. Conversation.

3. Daudet's Tartarin de Tarascon. Michelet's Extraits de l'histoire de France. Conversation. Composition.

Intermediate French. Elective for students who have had one year's preparation in French. Three hours each term.

4. Daudet's La Belle Nivernaise, and composition founded on the text. Sarcey's Le Siège de Paris. Conversation. Library work on the history of France.

5. Lamartine's Jeanne d'Arc; Theuriet's Bigarréau. Composition. Conversation Berlitz method.

6. Texts selected from Daudet, Maupassant, Flaubert, Anatole France. Composition. Conversation, Berlitz method.

Advanced French. Elective for students who have had two years' preparation in French. Three hours each term.

7. Victor Hugo's Bug Jargal; Thier's L'Expédition de Bonaparte en Egypte. Conversation. Dictation. Readings from the history of France.

8. Dumas' La Tulipe Noire. Dictation on the history of Holland. Schultz' La Neuvaine de Colette. Conversation.

9. Selected short stories from Modern French authors. Dictation—Composition founded on selected texts.

10. Study of the drama and the seventeenth century. Duval and Williams' Le Dix-Septième Siècle. Class reading: Corneille's Le Cid, Racine's Athalie. Home reading: Corneille's Cinna and Polyeucte; Racine's Esther; Faguet's Les Etudes Littéraires; Corneille et son Temps. Assigned readings from French history of the seventeenth century. Conversation—Lectures—Three hours.

11. French Literature in the Eighteenth Century. Reading: Voltaire; Rousseau; Bernardin de Saint Pierre. Faguet's Les Etudes Littéraires—Conversation. Three hours.

12. French Literature in the first half of the Nineteenth Century. Chateaubriand; Lamartine. Lectures in French—Conversation.

13. Romanticism and Victor Hugo. Romance and the Drama. Reading: Les Miserables; Notre Dame de Paris; Hernani; Quatre-Vingt-Treize. Hugo's Lyrics. Conversation—Lectures.

14. The Novel and Criticism. Pellissier's Le Mouvement Littéraire du Dix-Neuvième Siécle. Reading: George Sand; Balzac. Conversation; Lectures.

15. Anatole France; Rostand—Individual research and collateral reading. Conversation; Lectures.

Courses 10 to 15 are elective for students who have passed in advanced French.

SPANISH

Spanish is elective to Seniors, Juniors and Sophomores. To count toward a degree it must be taken at least one year.

Drill upon grammar and pronunciation is continued throughout the courses but the leading aim is to prepare students to appreciate the best in Spanish literature. About 500 pages of various readers and classics are translated the first year and a like amount of more difficult texts the second year.

Courses 1, 2 and 3 are being given in 1908-9 and will be offered again in 1910-11; courses 4, 5 and 6 will be offered in 1909-10.

ITALIAN

Students electing Italian will be required to continue the subject throughout the year.

1. Grandgent's Italian grammar and Bowen's Italian reader. Exercises in dictation, conversation, and composition. Elective for Juniors and Seniors taking extended courses in other modern languages and attaining rank indicating marked ability and interest in this department. Three hours; first term.

2. Continuation of grammar, and composition from Grandgent's text. Reading in class of Testa's *L'oro e L'Orpello* and Goldoni's *La Locandiere,* and at home of De Amicis *Cuore.* Dictation and conversation. Elective for Juniors and Seniors who have completed Course 1. Three hours; second term.

3. Goldoni's *Il Vero Amico,* selections from Manzoni's *I Promessi Sposi;* first, second, and third cantos of Dante's *Inferno.* Elective for Juniors and Seniors who have completed Course 2. Three hours; third term.

PHILOSOPHY

The courses in this department are as follows:

1. CHRISTIAN ETHICS. The aim of this course is to derive from the life and teachings of Christ the ideals and principles that are permanently applicable to human conduct, and to show their relations to the problems of individual character and of social progress presented in the life of to-day. The Bible and Stalker's "Life of Christ" are used as text-books. There is a constant endeavor to make the work practical. To this end, topics requiring special reading are assigned, essays and discussions are prescribed, and occasional talks and lectures are given. Freshman year, first term; one hour a week.

2. PSYCHOLOGY. James's "Briefer Course" as far as Chapter XI. An attempt is made to combine the methods of the "New Psychology" with those of the "Old." Mental life is studied so far as possible in its relation to neural conditions. The nature and processes of the various orders of sensation are exemplified from every day experiences. It is the constant aim to translate principles into facts; to explain abstractions by particular instances. Simple experiments for determining reaction time for the different senses are introduced. Each student selects from a prescribed list certain habits to form and carefully notes and records the results. The tests and examinations are given for the purpose of determining how far the knowledge gained can be applied. Junior year, third term; three hours a week.

3. PSYCHOLOGY. James's "Briefer Course" from Chapter XI. The text-book is supplemented by talks, informal lectures, and required reading. The student is encouraged to compare the authorities consulted with the conclusons that he derives from introspection; and an

attempt is made, especially in the studv of Attention, Association, Imagination, and Memory to discuss and compare differences in mental individuality. So far as practicable, Psychology is made to shed light on the problems of Education and to yield practical suggestions to teachers. In the consideration of the Instincts, the Emotions, and the Will, the work is conducted largely from the ethical as well as the pedagogical point of view. Senior year, first term; three hours per week.

4. History of Philosophy. This course, by the historical method, introduces the student to the problems of Philosophy as they have actually arisen and developed. Greek Philosophy is studied as a preliminary statement of these problems. In the various systems of Modern Philosophy the student is led to acquire methods of philosophical reflection, and to form tentative conclusions on the questions at issue.

A text-book is used supplemented by lectures and discussions. The student studies some one system more intensively, and gives the results of this study in a thesis. Elective to Seniors during the first term. A three hour course.

5. Current Philosophy. A further study of the problems outlined in Course 4. Paulsen's Introduction to Philosophy serves as the basis for discussion upon such topics as the following: Relation of Philosophy and Religion; Philosophy and Science; Materialism; Theism; Pantheism, Eovlution, Panpsychism, The Nature of the Soul. In all of these discussions the scientific and the pragmatic points of view, as well as the purely reflective, are kept in view. A thesis upon some one of the subjects above is required. Three hours per week during the second term of the Senior year.

6. LOGIC. This course is designed not merely to acquaint the student with the principles of formal logic, but to enable him to utilize the knowledge gained in analyzing and evaluating argument. Theory is not disregarded, but practical value is made paramount. By actual practice in detecting fallacies the student is put upon his guard against error both in his own thinking and in the thought of others. Deduction and Induction are both studied in this way, especial attention being given to their application to argumentation. Elective for Juniors the second term. Three hours.

7. THE FINE ARTS. This course is a study in the interpretation of the fine arts, Architecture, Sculpture, Music, and Painting, and is designed to give the student an intelligent basis for appreciating representative works in these various arts. The subject is introduced through historical data, though more stress is laid upon the purpose and principles which underlie the several arts. Constant use is made of illustrative material so that these principles may be seen to have a concrete value and reality. Good taste being regarded as the essential element in art education the principles of correct judgment are emphasized throughout the course. This course is a three-hour course elective for the Juniors the first term.

8. ETHICS. A study of various ethical theories with a view to finding a satisfactory basis for both civic and personal morality. The influence of Evolution upon Ethical Theory will be discussed and the metaphysical implicates of Ethics examined. The text will be supplemented by requried reading, reports and informal discussions, Third term of the Senior year. Three hours per week.

EDUCATION

1. History of Education. An examination of various nations both past and present so far as their civilizations were determined or modified by educational theories and practices. This course is a comprehensive study of Education as a function of society and as a power to shape national ideals. The course is designed not merely for those who expect to teach, but for all who would examine critically the principles which have shaped our modern ideals of learning and of culture. Elective for the Juniors the third term, three hours per week.

2. Educational Reformers. A study of the educational ideas of those who have shaped our modern conception of education and of educational methods. The course is a critical examination of the movements these men have inaugurated, leading to the construction of an intelligent theory of the function of education. This is effected by an examination of the work and theory of those whose names have become household words in the educational world. Open to Seniors during the first term, three hours per week.

3. Psychological Principles of Education. A critical study of Education considered as mental development. The course consists of an examination of the mental processes involved in the various stages of the child s development, and of conclusions as to the best method of attaining rapid and consistent development. It is a diagnosis of the mental and moral nature of the child at the representative periods of childhood and youth. It is Psychology applied to Education and is of interest to all who desire to better understand human nature as found in the child, and to know the most efficient means of pro-

moting his intellectual and moral growth. Elective for Seniors the second term. Three hours per week.

4. Educational Methods. A technical course in methods of teaching for those who expect to engage in school work. This course will be a practical summary of all the preceding work and will be based directly upon Course 3. Besides methods in the various subjects taught, there will be informal discussions upon some of the more practical problems of the teacher's routine work. The theoretical conclusions will be supplemented by visits to the schools of our cities, and with an actual testing of these conclusions by practical work. Three hours per week during the last term of the Senior year.

HISTORY

1. Greek Statesmanship. Greek History from 600 to 300 B.C., studied with special reference to the problems encountered by Greek statesmen in foreign relations and domestic politics. An estimate of the aims, methods and achievements of successive statesmen. Freshmen. Third term. Three hours. Elective.

2. Mediaeval Europe. This course includes a survey of the Roman Empire, the invasions of the Germans, and a more detailed study of the development of France and Germany, including Italy, throughout the Mediæval period. Special stress is laid upon such topics as Feudalism, the Crusades, the Mediæval church and the Renaissance. Sophomores. First term. Three hours. Elective.

3. Modern European History. This course begins with the Reformation and traces the development of the leading Continental European nations up to the present time, paying especial attention to the causes and results

of the French Revolution. Sophomores. Second term. Three hours. Elective.

4. English History. This course outlines the develment of England, politically and constitutionally, with chief emphasis on the growth of Democracy and of Empire. Particular attention is paid to those features which form a background for American History. Sophomores. Third term. Three hours. Elective.

5. American History to 1750. A study of the establishment of the various European colonies in America; their political and social development and their expansion. Juniors. First term. Three hours. Elective.

6. American History, 1750-1829. This course takes up the struggle between the French and the English for the possession of North America; the causes of the Revolution and the establishment of independent governments; the formation of the Constitution; the development of political parties and the growth of the nation during the first part of the nineteenth century. Juniors. Second term. Three hours. Elective.

7. American History, 1829 to the Present Time.—Particular stress is laid upon the political phase of the controversy over slavery, upon the Civil War and Reconstruction, and upon other important features of recent American History. Juniors. Third term. Three hours. Elective.

8. Modern European History, 1648—1789. A detailed study of the development and decline of the French monarchy; the growth of Prussia and Russia and their relations to other European nations, together with such characteristic features as comined to produce the Europe of the French Revolution. Open to Seniors and Juniors who have had courses 3 and 4. First term. Three hours. Elective.

9. HISTORY OF EUROPE SINCE 1789. A somewhat intensive course dealing with the French Revolution, the reconstruction of Europe and the subsequent political history of the chief nations. Open to Seniors and Juniors who have had courses 3, 4 and 8. Second term. Three hours. Elective.

NOTE.—For courses in Oriental History, see Page 58.

ECONOMICS

1. ELEMENTARY ECONOMICS. An introduction to the meaning and the elementary principles of Political Economy. The nature of wealth, the meaning of value, the principles of consumption and distribution and the factors of production will be mainly considered. Juniors. Third term. Three hours. Elective.

2. APPLIED ECONOMICS. A more detailed study of the practical aspects of the science, such as Credit and Banking, International Trade and the Tariff, the Labor problem, Monolopies and Trusts, etc. Seniors. First term. Three hours. Elective.

POLITICAL SCIENCE

A course dealing primarily with the forms of Federal, state and local government in the United States. Incidentally some attention is given to the fundamental principles of the state, of government in general, and of law. The main features of the political systems of Great Britain, Germany and France are also considered. Seniors. Second term. Three hours. Elective.

SOCIOLOGY

A course in theoretical rather than in practical sociology. The nature of society will be investigated, its origin and evolution discussed, and the leading forms of social institutions and activities described. Seniors. Third term. Three hours. Elective.

DEPARTMENT OF CHRISTIAN LITERATURE AND ETHICS

This department recognizes that the character of the literature of the New Testament and of the civilization fostered by the Christian religion makes the New Testament and its teachings as appropriate subjects for unprejudiced study and critical investigation as any of the natural sciences or the philosophies and secular movements of men. Instruction in this department has a twofold object in view, a cultural and a professional. It may safely be said that no man is well educated and symmetrically developed who has cultivated no sympathetic appreciation of the beauties and the strength both of the literature and the teachings of the Bible. Without sectarian bias or taint of dogmatism, the New Testament can be, and is, studied sympathetically, with the true ends of complete personal culture in view. These courses aim also to prepare men who have chosen the ministry for their life work for advanced standing in any theological seminary, after graduation from college. By a free use of the electives offered in this department the student may save at least a year's time usually devoted to New Testament studies in the theological seminary.

1. AN OUTLINE OF CHRISTIAN LITERATURE. This course considers briefly the following themes: the literary arrangement of the New Testament; the vicissitudes through which Christian writings have passed; the permanent element of interest and power in the separate books; the dominant characteristics and essential message of each.

Elective the third term of the Freshman year: one hour a week.

2. THE HISTORY OF TEXTS, (a) *The History of the English Bible.* This course traces the latest version of the English Bible back through the intermediate stages to the earliest version, and, in the historic spirit, gives attention to contemporary events and movements which constitute the background against which the versions were projected.

(b) *New Testament Texts, Their Preservation and Restoration.* The class will trace the history of the printed Greek text from its beginning to the present time, will note the kinds and character of New Testament manuscripts, and then observe the history, development and application of the principles of textual criticism.

Elective the first term of the Sophomore year: three hours.

3. AN INTRODUCTION TO THE BOOKS OF THE NEW TESTAMENT.—This is an outline course in the history and meaning of the several books of the New Testament, including the genuineness of each, the date and place of composition, the readers addressed, and an analysis of the contents of each.

Elective the second term for Sophomores: three hours.

4. NEW TESTAMENT INTERPRETATION.

(a) *The Epistle to the Hebrews.* The epistle will be read in the Greek for exegetical practice, and attention will be given to its style, authorship and meaning.

(b) *The Book of Revelation.* This course will undertake to discover a rational interpretation of the allegories of the Apocalypse, and will investigate, as special topics, the time, place and object of composition, the authorship of the book and its relation to other New Testament writings.

Elective the third term of the Sophomore year: three hours.

(5) THE ACTS OF THE APOSTLES. The class will read and carefully interpret the first twelve chapters of the Book of Acts, and for an understanding of the beginnings of Christian history, will conduct an impartial inquiry into the meaning of the term "church" and the circumstances attending the formation and development of the church with appreciative reference to the lives of the first Christian leaders.

Elective the first term of the Junior year: three hours.

6. THE LIFE OF PAUL, THE APOSTLE. Investigations will be made with reference to the parentage, birth, education, training, conversion, missionary journeys, preaching and achievements of Paul. The portions of the Book of Acts which relate to his life will be read in the Greek and interpreted.

Elective the second term of the Junior year: three hours.

7. THE PAULINE LITERATURE. The epistles of Paul will be studied, each in its own historical setting, with attention to date, occasion and place of composition, persons addressed, purpose and contents. While the English text will be the basis of this course, yet portions will be read in the Greek.

Elective the third term of the Junior year; three hours.

8. THE GOSPEL NARRATIVE. One of the Gospels is read critically in the Greek for training in exegetical methods and spirit. Problems in geography, chronology, history, interpretation and criticism are discussed.

Elective the first term of the Senior year: three hours.

9. AN OUTLINE OF THE LIFE OF JESUS. The four

Gospels are brought into comparison and a harmony constructed. Reference is made to the history of the times of Jesus, the contemporary literature, customs, dogmas and expectations of the Jews. Lectures are given upon the earlier period of Jesus' life, his boyhood, his family, his home and early circumstances, his equipment and his Messianic self-consciousness.

Elective the second term of the Senior year: three hours.

10. The Teaching of Jesus. From the Gospels and all available sources the elements of Jesus' message to men are sought, what he taught respecting God, respecting himself, respecting man and his destiny, respecting human society and social obligations.

Elective the third term of the Senior year: three hours.

ORIENTAL HISTORY AND RELIGION

This department offers four lines of elective work. An introductory course in the literary study of the English Bible is open to Freshmen in the third term. Historical studies occupy the Sophomore year. These studies include the history and religion of the Babylonians, Assyrians, Egyptians, Hebrews, and the beginnings of Christianity and Mohammedanism. These courses are so arranged in connection with those offered in the department of History that the student may gain, during the last three years of his college course, a fairly complete survey of human history. In the Junior year the three most interesting products of Semitic thought are presented, Prophecy, Wisdom Literature, and the Psalms. In the Senior year opportunity is given to study the Hebrew Language. Students intending to pursue studies in Theology after graduation are advised to acquire a working knowledge of the Hebrew during their Senior year in college.

1. Literary Study of the Bible. This course is an introduction to the study of the Bible as one of the great literatures of the world. After a preliminary statement of the influence of the Bible on civilization and on the development of English literature a thorough study will be made of the interesting variety of forms in which the thought of the Bible is expressed. The student will become familiar with some of the masterpieces of biblical literature, and will come to understand better than before that the English Bible, in spite of the diversity of its parts, is one great book, and worthy to be regarded as a standard of English literature. Elective for Freshmen. Third term.

2. The Beginnings of Civilization. A study of the dawn of human history in Babylonia and Egypt as revealed during recent years by excavations in the Orient. The unearthed clay books give to the modern world information valuable to the student of literature, art, history, and religion. This course will describe and interpret these discoveries, and will consider the history and religion of these ancient peoples. Elective for Sophomores. First term.

3. History of Israel. This is a study of the Hebrew people with respect to their political and social development from the earliest times to the Fall of Jerusalem, 70 A. D. The books of the Old Testament and the later Jewish books, which are valuable as sources of information on the subject, will be arranged in chronological order. Elective for Sophomores. Second term.

4. The Beginnings of Christianity. From the Jewish religion three great modern faiths have sprung,

Christianity, Judaism, and Mohammedanism. This course considers Christianity as a fitting climax to the preceding ages of Semitic culture, and surveys Christianity in its conflicts with Judaism and paganism. The adoption of Christianity as the religion of the Roman Empire, and the Rise of Mohammedanism, and its conflicts with Christianity, are among the topics discussed. Elective for Sophomores. Third term.

5. HEBREW PROPHECY. A study of the origin and development of the religion of Israel. Much will be made of the biographical element in this work, but the chief aim will be to determine the contribution of each prophet to the progress of religious thought, and to estimate the influence of Hebrew thinking on modern civilization. Elective for Juniors. First term.

6. HEBREW BOOKS OF WISDOM. The Old Testament books, Proverbs, Job, Ecclesiastes, and the apocryphal books, Ecclesiasticus and the Wisdom of Solomon will be read and interpreted. In their discussion of the great problems of human life these writings are comparable in importance to the works of the Greek philosophers and poets. Besides acquainting the student with the Hebrew philosophy of life as contained in these books this course will call attention to the parallel discussions in Greek and German literature. Elective for Junions. Second term.

7. THE PSALMS. This course has a two-fold aim. In the first place the origin and growth of the Hebrew Psalter will be described, and the interpretation of some Psalms in the light of their historical setting will be given. In the second place the poetical structure of the Psalms will be studied with a view to leading the student to appreciate both the variety of literary forms and the necessity of knowing these forms, if one would enjoy the

beauty and grasp the full meaning of these poems. Elective for Juniors. Third term.

8, 9, 10. HEBREW LANGUAGE. A study of the elements of the Hebrew, and reading of parts of the Hebrew text of the Old Testament. This is an equivalent of the first year's work in Hebrew in the professional school. Elective throughout the year for Seniors.

11. BIBLICAL ARAMAIC. A study of the grammar of the Aramaic, and reading of the Aramaic portions of Ezra and Daniel. Elective for those who have two or more terms of Hebrew.

MATHEMATICS

1. Algebra. Ratio and proportion, variation, series, binomial theorem, undetermined coefficients, logarithms, permutations and combinations, continued fractions, theory of equations, graphic algebra. First term; three hours each week.

2. Geometry. Solid Geometry, which includes polyhedral angles, the various solids bounded by planes, the cone, the cylinder, and the sphere. This course includes a large amount of original work in demonstration and computation. Second term; three hours each week.

3. Trigonometry. Plane Trigonometry with problems and applications. Third term; three hours each week.

(Courses 1, 2, and 3 are required of all Freshmen).

4. Spherical Trigonometry. This is a continuation of course 3, with problems and applications to astronomy. Three hours a week. Four weeks of first term.

4^1. Theory of chain, compass, and transit surveying, and leveling, the adjustment and use of instruments, computation of area. Last nine weeks of fall term.

5. Plane Analytical Geometry. 2d term; three hours each week.

6. Plane Analytical Geometry, including Higher Plane Curves, completed. Four weeks of third term; three hours each week.

6^1. Analytical Geometry of three dimensions. Last seven weeks of third term; three hours each week.

(Courses 4, 4^1, 5, 6 and 6^1, are elective for Sophomores, or any others who may have taken courses 1, 2, and 3.)

7. Differential Calculus with applications. First term; three hours each week.

8. Differential Calculus completed. Second term; three hours each week.

9. Integral Calculus, with application. Third term; three hours each week.

(Courses 7, 8, and 9 are elective for Juniors, or any others who may have taken the previous courses).

10. Integral Calculus completed. First term; three hours each week. Elective for Seniors.

11. Differential Equations, (Elementary course). Second term; three periods each week. Solution of ordinary and partial differential equations with applications to geometry and physics. Elective for Seniors.

12. Determinants and Theory of Equations. Third term; three periods each week. This course is devoted to determinants, complex quantities, properties of polynomials, general properties of equations, symmetric functions, limits and separation of the roots of an equation, elimination and solution of numerical equations. Elective for Seniors.

PHYSICS

1. Elementary Mechanics. Recitations with special attention to the solution of numerous problems. Elective

for Sophomores who have completed the Freshman Mathematics. First term; three hours per week.

2. Heat, Light, and Sound. A continuation of course 1. Three hours per week. Second term of Sophomore year.

3. Electricity and Magnetism. Recitations and problems with illustrative lectures. A continuation of course 2. Three hours per week; third term.

4. Elements of Electrical Engineering. Direct Currents. Elective for Juniors who have completed course 3. Recitations, practical problems, and lectures on modern electrical practice. Three hours per week; first and second terms.

5. Physical Laboratory. Three laboratory periods per week for a year in Mechanics and Heat, Light and Sound, and Electricity and Magnetism. Elective for Juniors who have completed courses 1, 2, and 3.

6. Electrical Laboratory. Elementary experiments, followed by technical and precise measurements in Electricity, Magnetism, and Photometry. Standardization of instruments and determination of efficiencies of direct and alternating current apparatus. One period per week for a year. Elective for students taking course 4.

7. Alternating Currents. Recitations and problems. Elective for students who have completed course 4. Three hours per week third term Junior and first term Senior year.

8. Mechanics. Advanced course. Elective for Seniors who have completed courses 1, 2 and 3 and have studied Calculus. Three hours per week; second and third terms.

9. Optics. Advanced course, based on Wood's Physical Optics. Elective for Seniors who have completed courses 1, 2, and 3 and have studied Calculus. Three hours per week; second and third terms.

MECHANICAL DRAWING

The courses in drawing are designed to meet the requirements of students intending to study either civil, mechanical, or electrical engineering. The work is made as practical as possible.

1. Mechanical Drawing. The use of instruments. Geometrical problems and projection. Simple mechanical details. Introductory to all courses in drawing. Three hours per week; second and third terms of Freshman year.

2. Descriptive Geometry. Recitations and drawing. A continuation of course 1. Three hours per week; first term of Sophomore year.

3. Topographical Drawing. Three hours per week; second term of Sophomore year.

4. Machine Drawing. Elementary course. Three hours per week; second and third terms of Sophomore year.

5. Machine Drawing. Advanced course. Gearing. Machine design. Three hours per week for a year. Elective for students who have completed course 4.

CHEMISTRY

Work in this department includes recitations, lectures and laboratory practice, and continues through the Sophomore, Junior, and Senior years. The study begins with lectures and recitations on the non-metallic elements and their compounds. In connection with these subjects the elements of Theoretical Chemistry are taught and the students are given practice in the solution of a variety of chemical problems.

1. Inorganic Chemistry, the non-metals. This course is devoted to the elementary principles of the science. It deals with the nature and properties of a few common elements and the application of the fundamental laws and theories concerning their combination. Recitations and experimental lectures. Three hours; second term.

2. General and Experimental Chemistry. A continuation of Course 1, dealing largely with the metallic elements and including a few of the more common carbon compounds. Recitations and lectures with laboratory work. Three hours; third term.

Courses 1 and 2 are required of Sophomores entering without Chemistry.

3. Qualitative Analysis. An inductive course of basic analysis, and the preparation of a variety of inorganic salts. Three exercises (six hours per week); first term. Elective for all who have taken Courses 1 and 2, or their equivalent.

4. A continuation of Course 3. Acid and blowpipe analysis, and the separation of a large number of mixed compounds. Three exercises (six hours per week); second term. Elective for those who have taken Course 3.

5. Organic Chemistry. An introduction to the study of the compounds of carbon. The methane and benzene series and their derivatives. Three exercises (six hours per week); third term. Elective for Juniors.

6. Quantitative Analysis. Laboratory practice in the use of the methods of gravimetric and volumetric analysis; separation and estimation of metals, acids, and water of crystallization. Three exercises (six hours per week);

first term. Elective for students who have taken Courses 3 and 4.

7. A continuation of Course 6, with special work on ores, alloys and mineral waters. Three exercises (six hours per week); second term. Elective for students having the necessary qualifications.

8. General Organic Chemistry. Quantitative work. Lectures and Laboratory work on a variety of food products and their common adulterants. Three exercises (six hours per week); third term. Elective for students who have done superior work in Courses 5 and 6.

9. Physiological Chemistry. Lectures and Laboratory work. Three exercises (six hours per week). Elective for Seniors.

The Laboratory exercises of the last three courses are varied according to the tastes and requirements of individual students.

BIOLOGY

BOTANY

1. Morphology, Physiology, and Ecology of Flowering Plants. The method of instruction in this course consists of recitations upon the above subjects as they are developed by a study of the text-book, by lectures and in laboratory work, and also of a series of laboratory exercises, in which a careful study is made of the morphology of the various parts of the plant body. The seeds, roots, stems, leaves, flowers and fruit are taken up in succession; the structure and relation of these parts to the life processes of the plant are recorded in the laboratory note-book, by means of drawings and descriptive notes. Sufficient time is given to flower analysis so that each student has such practice as will make him familiar with

the method of work. Considerable attention is given to field work.

The aim of this course is two-fold: (1) To give the student a general yet comprehensive knowledge of the life processes and structure of the flowering plants; and (2) to begin the training which is so essential to all scientific work—that of accurate observation. Course 1 is given during the third term, three two-hour periods, and is elective for Freshmen and Sophomores.

2. Morphology, Ecology and General Classification of the Plant Kingdom. The work of this course comprises recitations, lectures, and laboratory exercises. A study is made of the principles upon which modern classification is based. Type specimens representing the various groups and sub-divisions of the vegetable kingdom are studied with respect to their distinctive characteristics, structure, etc., together with a consideration of the interrelations of the groups. In the laboratory the student studies and sketches most of the specimens taken up in recitation.

Field work constitutes an important part of this course. Trips are taken into the surrounding country for the purpose of collecting and studying the plants in their natural environments. This field work is especially helpful in fixing in the student's mind the general classification of the plant kingdom.

It is the aim of the course to give the student a knowledge of what organisms the plant kingdom includes and how these same organisms are grouped in a general classification. Course two is given during the third term, three two-hour periods, and is elective for Freshmen and Sophomores.

3. Cryptogamic Botany. This is a laboratory course, combined with some lecture and recitation work. It is mainly a study of the morphology of cryptogamic plants, beginning with the lowest Thallophytes. The work requires the use of the compound microscope quite constantly, and the members of the class obtain thereby a practical knowledge of the simpler manipulations of the miscroscope and preparations of sections. Each student is required to offer for inspection twenty-five stained and permanent sections. Carefully kept note-books with drawings and descriptive notes are required throughout the course.

The two chief objects of the course are: (1) the acquiring of a knowledge of the morphology of the cryptogams; and (2) accurate observation and correct interpretation of the same. The course is given during the first term, three two-hour periods, and is elective for Juniors and Seniors.

ZOÖLOGY

1. General Principles of Zoölogy. Instruction in this course is given by recitations. Its aim is to teach the general principles of the subject. The course takes up the history and subdivisions of Zoölogy, the structure, development, and functions of cells, tissues, and organs, general embryology, etc. The course is given during the first term, three hours, and is elective for Sophomores. Course 1 should be taken by any who contemplate future work in the subject.

2 and 3. Morphology, Ecology, and General Classification of the Animal Kingdom. The work of these courses is carried on by recitations, lectures and laboratory exercises. One of the chief aims of the work is the

outlining of the principal groups of the animal kingdom, together with the study of their Ecology and Morphology. The laboratory work is confined to representatives of the chief groups of invertebrates. Typical forms are studied microscopically or dissected, and careful drawings with descriptive notes must accompany the laboratory work. The courses are given during the second and third terms, three two-hour periods, and are elective for Sophomores who have completed course 1.

4. Comparative Anatomy of Vertebrates. Instruction in this course is given chiefly by laboratory exercises and lectures. Type representatives of the different classes of Vertebrata are very thoroughly dissected and studied in a comparative way, from the lower forms to the higher. All observations and records are kept by means of drawings and notes. The course is intended especially for those who are particularly interested in biological science, or who intend the future study of human anatomy and medicine.

Course 4 is given during the first term, three two-hour laboratory periods and three one-hour lecture periods; in fact, the work of the course, as it is outlined in the above statement, extends throughout the year, including Courses 5 and 6. Course 4 is elective for Juniors.

5. Comparative Anatomy of Vertebrates. As given in the statement above, this course is merely a continuation of the same kind of work begun in 4. Course 5 is given during the second term, three two-hour laboratory tion of the same kind of work begun in 4. Course 5 is elective for Juniors.

6. Comparative Anatomy of Vertebrates. This course continues the work of Courses 4 and 5. Course 6 is given during the third term, three two-hour periods. Course 6 is elective for Juniors.

7 and 8. Microscopic Technique. In these courses, instruction is given by lectures and laboratory work. A study is made of the parts and use of the compound microscope, together with laboratory work upon the more essential methods of investigation. This involves practical work upon an invertebrate animal, in some of the more important methods of fixing, hardening, dehydrating, staining, clearing, imbedding, sectioning, and mounting. The course is given during the first and second terms, three two-hour periods, and is elective for Seniors.

9. Histology. The work is taken up by recitations, lectures, and laboratory exercises. The aim of the course is to teach the origin, development and structure of the more important animal tissues. The course is given during the third term three two-hour periods; and is elective for Seniors, but open only to those who have taken Courses 7 and 8.

PHYSIOLOGY

1. PHYSIOLOGY AND HYGIENE. Instruction in this course is given by lectures and recitations. This course is devoted chiefly to Physiology and Hygiene with emphasis placed upon Hygiene. "The Human Mechanism" by Hough and Sedgwick is used as a text. Required of Freshmen that do not offer Greek for entrance. First term, three hours per week.

2. PHYSIOLOGY AND ANATOMY. The work of this course consists of recitations and laboratory exercises. The laboratory work is outlined after the course of Dr. Darling at Harvard University.

The practical value of the course is greatly augmented through the use of the Bock Stegers anatomical models of the heart, eye, ear, trunk, etc.; also by use of a human skeleton. Elective for Freshmen who do not offer Greek for entrance and who do not take Mechanical Engineering. Second and third terms, three hours per week.

ASTRONOMY

Astronomy is elective to Seniors. Courses 1 and 2 constitute a unit and must both be taken to count toward a degree. Moulton's Introduction is the text-book but is extensively supplemented with lectures and practical exercises. Course 3 is supplementary to Courses 1 and 2, but may be taken by those who have not had courses 1 and 2 on condition that such students give an additional recitation weekly to the elementary facts and principles of the science. Young's Manual is the text-book used in Course 3.

GEOLOGY

Courses 1 2 and 3 in General Geology are open to Seniors and Juniors. The subject is developed by lectures, field-work and recitations. The first and second terms are devoted to the study of geological processes and the third to an outline history of the Earth.

Courses 4, 5 and 6 are advanced courses in Physiographic Geology, open to students who have had a year's work in General Geology.

ORNITHOLOGY

1. Considerable attention is given to the study of Ornithology, apart from that of general zoölogy. In the first term twelve lectures are given to the Freshman Class on the characteristics of birds—peculiarities of physical structure, flight, utility, song, beauty, intelligence, and migration; on the fossil, sub-fossil, and extinct birds, and

on classification. The last lecture of the term is devoted to the winter birds of Maine. This lecture is preparatory to the work to be done by the class during the winter. Prizes are given to the members of the class that report the longest list of birds observed and carefully identified between the first of December and middle of March. Two prizes are also given to the class for the best winter sketches of not more than two thousand words each.

2. In the twelve lectures given in the spring all the species of the inland birds of Maine are described and the mounted specimens are shown to the class. Four times a week, from the last of March to the middle of June, the members of the Freshman class make early morning excursions of one hour and a half to the fields and woods in search of the birds. Particular attention is directed to the songs and notes of the birds. From 75 to 130 different species are recognized in one year by the careful observers.

ORATORY AND VOICE CULTURE

1. Development and training of the imaginative instinct. Lessons in vocal expression to develop and stimulate simple attention, sequence of ideas, and conception. Lessons in Vocal Expression. Curry.

VOCAL TRAINING. Correct methods of breathing. Openness of tone passage. Preparatory action for speech. Ease, freedom, and openness in tone production. Class work one hour a week.

PRIZE DECLAMATION, in which every member of the class is prepared by special instruction and drill. Required of all Freshmen. Second term.

2. Development of logical instinct. Emphasis. The study of inflection, pause, change of pitch, subordination,

movement, antithesis and force as methods of expressing emphasis. Lessons in Vocal Expression, Curry.

Vocal Training, to secure control of breath and elasticity of tone. Class work one hour a week.

Prize Declamation, in which every member of the class is prepared by special instruction and drill. Required of all Sophomores. First term.

3. Study of conversation, narration, description, and soliloquy, to develop naturalness in speech form. Lessons in Vocal Expression, Curry.

Vocal Training, continued to develop agility and ease. Class work one hour a week.

ELECTIVE FOR JUNIORS—THIRD TERM

4. Dramatic instinct; transition; contrast; rhythm; pause; attack. Effect of emotion in tone; tone color; purpose. Vocal training continued. Class work one hour a week. Open to young women.

5. Study of different forms of oratory. Work on examples of each style, with training in gesture and attitude, as related to public speaking. Open to young men.

Four and five elective for Seniors. Third term.

HYGIENE AND PHYSICAL TRAINING

HYGIENE

The Director of Physical Training gives each young man entering the Freshman Class a thorough physical examination during the first term of his attendance at college. From the measurements and strength tests taken, a chart is made out for each student, showing his size, strength, and symmetry, in comparison with the normal standard, and also what parts of the body are defective either in strength or development. A hand-book containing the exercises prescribed for the correction of any physical defects shown by his chart, and giving specific directions in regard to diet and bathing, is furnished each student.

When any student is found defective in vision, he receives from one of the college oculists the specific treatment that his case may require.

Oculists

ANSON A. COBB, M.D.,
236 Main Street, Auburn

CHARLES E. NORTON, M.D.,
118 Lisbon Street

W. J. PENNELL, A.M., M.D.,
223 Main Street, Auburn

FREDERICK S. WAKEFIELD, A.B., M.D.,
342 Main Street

E. A. McCOLLISTER, A.M,. M.D.,
103 College Street

PHYSICAL TRAINING

1. Class exercises: Military drill, setting-up exercises, and Indian-club swinging. Squad exercises (graded to suit the strength of each division): Basketball, indoor athletics, chest-weights, developing appliances, bar, rings, etc. From the first of November to the first of April. Required of Freshmen.

2. Class exercises: Setting-up exercises, dumb-bell drill. Squad exercises: Boxing, wrestling and heavy

gymnastics, basketball, bowling, indoor athletics. Second term. Required of Sophomores.

3. Class exercises: Setting-up exercises, fencing with single sticks and with broad-swords. Squad exercises: Basketball, indoor athletics, heavy gymnastics. Second term. Required of Juniors.

PHYSICAL TRAINING FOR WOMEN

Physical training is a necessary requisite for the best moral, mental and spiritual growth, in the attainment of strong, refined and useful womanhood. Accordingly, the aim of this department is to aid in the physical development of each young woman and to supervise the physical welfare of each during her college course. Plan of work as follows:

The director gives each young woman entering the Freshman Class a thorough physical examination including measurements and strength tests. These are taken again at the end of the Junior year, thus showing increased strength and development in comparison with her first measurements and strength tests. The first two months of the Fall term and the greater part of the Spring term are spent in out-door sports. Every girl is urged and encouraged to take some form of out-door exercise, such as tennis, walking, or English field hockey. For these games the College affords ample facilities. The work in the gymnasium under the personal supervision of the Director begins the first of November and continues through the Winter term.

The gymnastic work is based upon the Swedish System. The exercises consist of a great deal of free-hand floor work and light apparatus work especially adapted to women. These exercises involve the complete and powerful use of all the large groups of muscles, thus producing the essential hygienic effect, tending to correct all faulty postures and giving training in co-ordination. Such games as indoor basketball, volleyball, captainball, and many others, played under the supervision of the Director are of the greatest educational value. Fancy steps and Gilbert aesthetic movements train especially the sense of rhythm and the power of co-ordination. The practical results derived from this work are grace, and ease of movement and bearing, together with a certain amount of endurance.

Practical talks and lectures in personal hygiene are given to the young women of the Freshman Class. Three hours a week required of Juniors, Sophomores and Freshmen. Two hours a week elective for Seniors.

Outline of Studies

The figure preceding a subject indicates the number of the course in that study as explained on pages 31 to 75. The figure following a subject indicates the number of exercises per week. Electives are italicized. The left-hand column in the Freshman year shows the arrangement of courses for students who offer Greek for entrance or who take Elementary Greek; the right-hand column, the approximate arrangement for others.

FRESHMAN YEAR

First Term

1	Christian Ethics	1	1	Christian Ethics	1
1	English	2	1	English	2
1, 4 or 7	French or		1, 4 or 7	French or	
1	German	3	1	German	3
1 or 1 *a*	Greek	3	1	Latin	3
1	Latin	3	1	Mathematics	3
1	Mathematics	3	1	*Ornithology*	1
1	*Ornithology*	1	1	Physiology	3

Second Term

2	English	2	2	English	2
2, 5 or 8	French or		2, 5 or 8	French or	
2	German	3	2	German	3
2 or 2 *a*	Greek	3	2 *a* and 2 *b*	Latin	3
2 *a* and 2 *b*	Latin	3	2	Mathematics	3
2	Mathematics	3	1	*Mechanical Drawing*	3
1	Oratory	1	1	Oratory	1
			2	*Physiology*	3

Third Term

3	English	2	3	English	2
3, 6 or 9	French or		3, 6 or 9	French or	
3	German	3	3	German	3
3 or 3 *a*	Greek	3	3	Latin	3
3	Latin	3	3	Mathematics	3
3	Mathematics	3	1	*Mechanical Drawing*	3
2	*Ornithology*	1	2	*Ornithology*	1
1	*Greek Statesmanship*	3	1	*Botany*	3
1	*Christian Literature*	1	1	*Christian Literature*	1
1	*Botany*	3	1	*Greek Statesmanship*	3
1	*Oriental History*	3	1	*Oriental History*	3
			3	*Physiology*	3

SOPHOMORE YEAR

First Term

4	English	3	2	*History*	3
1 or 1 *a*	German	3	4	*Latin*	3
2	Oratory	1	4	*Mathematics*	3
2	*Christian Literature*	3	2	*Oriental History*	3
2	*Descriptive Geometry*	3	1	*Physics*	3
4 *a*	Greek	3	1	*Zoology*	3

Second Term

5 or 6	English	3	3	*History*	3
2 or 2 *a*	German	3	5	*Latin*	3
1	*Chemistry*	3	5	*Mathematics*	3
3	*Christian Literature*	3	3	*Oriental History*	3
5 or 8	*French*	3	2	*Physics*	3
5 *a*	Greek	3	3	*Topographical Drawing*	3
			2	*Zoology*	3

Third Term

3 or 3 *a*	German	3
2	*Chemistry*	3
4	*Christian Literature*	3
7	*English*	3
6 or 9	*French*	3
6 *a*	Greek	3
4	*History*	3
6	*Latin*	3
4	*Machine Drawing*	3
6	*Mathematics*	3
4	*Oriental History*	3
3	*Physics*	3

JUNIOR YEAR

First Term

11	English	4
3	*Botany*	3
3	*Chemistry*	3
5	*Christian Literature*	3
8	*English*	3
9	*English*	1
7	*Fine Arts*	3
10	*French*	3
4	*German*	3
4	*Greek*	3
5	*History*	3
10	*Latin*	3
7	*Mathematics*	3
5	*Oriental History*	3
4, 5	*Physics*	3
3	*Zoology*	3

Second Term

4	*Chemistry*	3
6	*Christian Literature*	3
9	*English*	1
12	*English*	4
11	*French*	3
5	*German*	3
5	*Greek*	3
6	*History*	3
11	*Latin*	3
6	*Logic*	3
8	*Mathematics*	3
6	*Oriental History*	3
4, 5	*Physics*	3
10	*Public Speaking*	3
4	*Zoology*	3

Third Term

2	Psychology	3	6	*Greek*	3
2	*Botany*	3	1	*History of Education*	3
5	*Chemistry*	3	12	*Latin*	3
7	*Christian Literature*	3	9	*Mathematics*	3
1	*Economics*	3	3	*Oratory*	1
9	*English*	1	7	*Oriental History*	3
13	*English*	4	5, 7	*Physics*	3
12	*French*	3	10	*Public Speaking*	3
6	*German*	5	5	*Zoology*	3

SENIOR YEAR

First Term

3	Psychology	3	13	*French*	3
1	*Astronomy*	3	1	*Geology*	3
3	*Botany*	3	7	*German*	4
6	*Chemistry*	3	4	*History of Philosophy*	3
8	*Christian Literature*	3	10	*Latin*	3
2	*Economics*	3	10	*Mathematics*	3
2	*Educational Reformers*	3	8	*Oriental History*	3
8	*English*	3	7	*Physics*	3
9	*English*	1	1	*Spanish*	3
14	*English*	4	6	*Zoology*	3

Second Term

2	*Astronomy*	3	11	*Latin*	3
7	*Chemistry*	3	11	*Mathematics*	3
9	*Christian Literature*	3	9	*Oriental History*	3
5	*Current Philosophy*	3	8, 9	*Physics*	3
9	*English*	1	1	*Political Science*	3
15	*English*	4	3	*Psychological Principles*	3
14	*French*	3	10	*Public Speaking*	3
2	*Geology*	3	2	*Spanish*	3
8	*German*	3	7	*Zoology*	3

Third Term

3	*Astronomy*	3	9	*German*	3
8	*Chemistry*	3	12	*Latin*	3
10	*Christian Literature*	3	4, 5	*Oratory*	1
4	*Educational Methods*	3	10, 11	*Oriental History*	3
9	*English*	1	8, 9	*Physics*	3
16	*English*	4	10	*Public Speaking*	3
8	*Ethics*	3	1	*Sociology*	3
15	*French*	3	3	*Spanish*	3
3	*Geology*	3	8	*Zoology*	3

BACHELOR'S DEGREES

The courses of instruction offered lead to the degree of Bachelor of Arts or Bachelor of Science.

The different departments of instruction are arranged under three groups: I, Languages; II, Philosophy (including History and the Social Sciences); and III, Sciences (including Mathematics).

GROUP ARRANGEMENT OF STUDIES

GROUP I	GROUP II	GROUP III
Languages	*Philosophy*	*Sciences*
English	Aesthetics	Astronomy
French	Biblical Literature	Biology
German	Economics	Chemistry
Greek	Education	Engineering
Hebrew	Ethics	Geology
Italian	History	Mathematics
Latin	Philosophy	Ornithology
Spanish	Political Science	Physics
	Psychology	Physiology
	Sociology	

MAJORS AND MINORS

All candidates for degrees are required to make their elections with reference to major and minor subjects.

A major subject must cover at least three hours per week for three consecutive years, or must consist of nine three-hour courses of definitely related subjects.

A minor subject is a similar succession of courses continued for two years. In certain cases, by arrangement with the Committee on Curriculum, a major or a minor study may be made up by a combination of related courses from different departments. This is especially true in the Philosophy Group.

REQUIREMENTS

A candidate for the degree of Bachelor of Arts must complete before graduation a major subject in Group I or II, and a minor subject, beginning after the Freshman year, in each of the other Groups. A candidate for the degree of Bachelor of Science must complete before graduation a major and a minor subject in Group III, and a minor in each of the other Groups.

In complying with the above conditions, subjects indicated as required in the "Outline of Studies" may count equally with electives. A student in making his elections for the Junior year should indicate in which Group he intends to secure his Major, and in making his elections for the Senior year should indicate the Departments in which he intends to secure his Major and his Minors.

REGISTRATION

The committee on registration is in session on the first day of each term, and all students are required to register at that time unless previously excused. Students failing to comply with the above requirement are charged one dollar for subsequent registration, and this sum will be collected with their term bills.

HONORS

The method of awarding honors and assigning Commencement parts is as follows: Six honors, three to young men and three to young women, are awarded for Scholarship in each of the three general Groups as given under the Group Arrangement of Studies.

From the eighteen persons receiving these honors eight are selected to deliver Commencement parts.

LABORATORIES

CHEMICAL

On the first floor of Hedge Laboratory are the chemical lecture room, with rooms adjoining for chemicals and apparatus, and a class laboratory room fitted up with tables and sinks sufficient to accommodate thirty-two students. The large room for the general laboratory work of the classes occupies the most of the second floor. It is well lighted, thoroughly ventilated, and conveniently fitted with sinks, hoods, and tables sufficient to accommodate fifty-eight students. Adjoining this room are the weighing and apparatus rooms and the private laboratory of the professor.

The arrangement and appliances of the whole building are in accordance with most approved plans of modern laboratories.

PHYSICAL

The department comprises a well arranged lecture-room, a large and well appointed general laboratory and apparatus room, a dynamo room and workshop, and a dark-room. These are conveniently arranged and well furnished for their purposes. The collection of apparatus for lecture purposes and for student laboratory work is rapidly growing.

BIOLOGICAL

Excellent accommodations have been prepared in Science Hall for a Biological laboratory and recitation rooms. These are fitted with the necessary appliances and afford ample opportunities for thorough and extensive work in this department.

CABINETS

BOTANICAL

The nucleus of the Herbarium was gathered many years ago by an enthusiastic botanist, the late Dr. Aaron Young. It contained a representative collection of New England plants. Many of the Maine specimens were gathered during the State Geological Survey, conducted by the late Dr. Charles T. Jackson. The plants chiefly used now, however, in identifying species, constituted the herbarium of the late President Chadbourne of Williams College.

Of this, Dr. O. R. Willis, a distinguished botanist of New York, has said: "It is one of the best working herbariums I have ever examined." Besides its collection of New England plants, including the grasses, sedges, ferns, etc.—in all about two thousand specimens—it has several groups of ferns from other countries, also pretty full collections of mosses and lichens, named by the highest authorities, and more than a thousand fungi. There are collections of the plants of New Jersey, Tennessee, and Florida, also from several foreign countries, illustrating the identity of many families in Europe and America. There are also, collections from Greenland, Labrador, and the tropics, and mountain flora from the Rocky Mountains, the White Mountains, and the Alps. There are, also, some fifteen hundred duplicates. All these collections are in cabinets of the most approved construction.

MINERALOGICAL

The cabinet of minerals, shells, and fossils occupies a large room on the second floor of Science Hall. The collection is conveniently arranged and is steadily growing. No attempt is made to secure showy shelf specimens.

Educational value is the only thing considered. All the common minerals, and many of those of rare occurrence, are fully represented by typical specimens. It is intended to make the collection of local minerals as complete as possible. Among the shells and fossils are many choice specimens.

ORNITHOLOGICAL

The ornithological collection contains mounted specimens of nearly all the New England birds, besides many from other parts of the United States and from foreign countries. In all there are about one thousand specimens.

LIBRARIES

The number of volumes in the different libraries is as follows:

College Library (exclusive of pamphlets),	*28,484
Divinity School Library,	5,910
Total,	34,394

The college library has been selected with special reference to the needs of the several departments. It is composed mainly of modern publications, and contains many important works of reference.

THE BENJAMIN E. BATES LIBRARY FUND

In addition to a regular appropriation each year for the purchase of books, the College now enjoys the benefit of the Benjamin E. Bates Library Fund of $10,000, the

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*This includes about 600 volumes donated by the Polymnian Society, and an equal number donated by the Eurosophian Society.

income of which is devoted to the purchase of works upon History, Economics, Sociology and Mathematics. This fund was established in 1906 in memory of Benjamin E. Bates, 1862-1905, the son of the Benjamin E. Bates whose name the College bears, and himself for twelve years, 1894-1906, a devoted and efficient member of the Board of Fellows of the institution. A scholar of unusual attainments, Mr. Bates had a special interest in the subjects just named. A lawyer of wide reading and of the noblest professional ideals, he was the esteemed counselor of his associates at the Bar upon questions demanding a profound insight into great principles and an eminently judicial mind. A Christian gentleman, he combined with singular modesty and absolute sincerity unhesitating devotion to duty. The library fund bearing his name was created in 1906 by his friend, Mr. Clement S. Houghton of Boston.

UNIVERSITY EXTENSION

Members of the Faculty are prepared to give lectures upon subjects in Science, Literature, Philosophy, History, Economics, Sociology, Pedagogy and Art. Particulars can be learned by correspondence with the President, or the Secretary of the Faculty.

GYMNASIUM

The gymnasium is steam heated and equipped with the apparatus necessary for the thorough and systematic training and development of the human body. This apparatus is new and of the most approved modern pattern. In the basement of the Gymnasium are a pair of excellent bowling alleys; also convenient bathrooms, provided with lockers, hot and cold water, dip baths, shower baths, etc.

The women's dormitory contains a gymnasium sixty by forty feet and twenty feet high. Adjoining the gymnasium are the Director's office and the bath and locker room. The office is supplied with a set of anthropometrical apparatus; the bath and locker room contains four shower baths and one hundred and fifty-six lockers. All the apparatus is new and of the latest pattern, selected and arranged for work that combines the best points of the different systems of physical training. The equipment includes a complete set of Swedish apparatus, developing appliances, foils, marks, jackets for fencing, Indian clubs, dumb-bells, bar-bells. The floor is arranged for indoor gymnastic games, such as indoor baseball and basketball.

Ten fine tennis courts offer abundant opportunity for this healthful game.

ATHLETIC FIELD

The Garcelon Athletic Field, named in honor of the late Alonzo Garcelon, M.D., of the original governing board of the College, is considered one of the best in New England. It has a tasteful and commodious Grand Stand, sufficient for all present needs. The field, surrounded by a fence, has an area of seven acres. It contains a quarter-mile track, a two hundred and twenty yard straight-away, take-offs for the jumps and pole vault, a football field, and a baseball diamond.

OUTDOOR RUNNING TRACK

A wooden outdoor running track has been completed recently. The Track is rectangular in shape with a straight-away course of 74 yards. The width of the Straight-away is ten feet. The rectangle is five feet in width with a course of twelve laps to the mile. The

Track is located near the Gymnasium. It is of modern arrangement, and, undoubtedly, the best in the State of Maine.

SKATING RINK

A Skating Rink has been erected on the Garcelon Athletic Field. The Rink is of regulation size for hockey, 161 feet long by 70 feet wide. It will be controlled by the College and used exclusively for the benefit of the student body. It is considered a very valuable addition to the equipment of the department of Physical Training.

RELIGIOUS EXERCISES

At the close of the first morning recitation each day all the students, with the Faculty, assemble in the chapel for prayer, reading of scripture and singing. The Students' Christian Associations—Young Men's and Young Women's—hold a union meeting every Wednesday evening, in the Association room, from 6.30 to 7.15 o'clock. The Y. M. C. A. also holds a meeting Saturday evenings from 6.30 to 7.15 o'clock. Voluntary classes for Bible study are carried on through the year. The prayer-meetings of the Y. W. C. A. are held on Monday from 6.30 to 7.15 P.M.

The methods employed are successful in making the meetings varied, attractive, earnest, and spiritual. One meeting each month is devoted to some phase of missionary work.

In addition to these, weekly class prayer-meetings are held and are usually well attended.

The last Thursday in January is observed as "The Day of Prayer for Colleges," and is set apart entirely for religious meetings. A sermon, to which the public is invited, is preached in the chapel at 2.30 P.M. It is hoped that Christian friends of the College generally will remember this day

COLLEGE MAGAZINE

The *Bates Student* is published monthly under the direction of the Editors and Managers selected from the Junior Class. The first number was issued January, 1873.

LITERARY SOCIETIES

The college has no secret societies. It is, doubtless, owing largely to this fact that all the students unite with an earnest and wholesome interest in the support of the three literary societies, the EUROSOPHIAN, POLYMNIAN, and PIAERIAN. Much systematic work is devoted to preparation for the weekly meetings, which are held on Friday evening, and are occasions not merely of social pleasure, but of most useful drill.

The programs contain assignments that encourage musical culture, literary criticism, essay writing, and debating.

The meetings afford thorough discipline in debate and in the proper conducting of deliberative assemblies, together with a stimulus to excellence in these attainments that to many is an educating force rarely found in college, and hardly second in utility to any department of the curriculum.

YEARLY EXPENSES

Tuition,	$50.00		$50.00
Suites of rooms for young men, including heat (two in a suite),	22.50	to	37.50
Board (37 weeks, from $2.50 to $3.00 per week),	92.50	to	111.00
Lights, laundry, books, etc.,	20.00	to	30.00
General Expenses,	21.00	to	24.00
Total,	$206.00		$252.50

Students taking Laboratory courses in Chemistry, Physics, and Biology are charged an extra fee of three dollars each term.

The Freshmen pay a fee of one dollar for their medical examination, chart and hand-book.

Board in private families (laundry, fuel, etc., included), $4.00 to $5.00 per week. Rooms in private families, without board, can be obtained at reasonable prices. Arrangements have been made by which healthful and palatable food can be obtained in one of the College buildings at a cost not exceeding $2.50 per week to each student.

Students are advised in regard to selecting their rooms and boarding places, and all students rooming in College buildings are held responsible for the rent of the rooms selected unless other satisfactory arrangements are made with the Assistant Treasurer.

College bills for the First Term must be paid by October 15th, and for the Second Term by March 1st. Students unable to pay their bills on or before the above dates are required promptly to present to the Assistant Treasurer in writing their reasons why further time is necessary. Bills for the Third Term must be paid by May 1st. Requests for an extension of time beyond this date must be made in writing to the College Treasurer.

Young men desiring information about rooms in the College dormitories should write to George E. Ramsdell, A.M.

Young women desiring similar information should address Dean Frances C. Norris. Young women desiring admission to Bates in the fall of 1908 should make application to the Registrar, Miss Elizabeth D. Chase, not later than March 1, 1908. Each applicant is required to furnish a certificate of character and scholarship from her principal, a certificate of health equal to the demands of a College course from her physician, and a certificate of character and worth from her pastor. Not more than fifty applicants can be received in any one year. If practicable, the list of successful candidates will be announced about May 1.

EXAMINATIONS

Written examinations are given at the close of each term and at such other times as the instructors may determine.

RANK BILLS

These are sent to the parent or guardian of each student at the close of every term.

DEGREES

The Bachelor's degree is conferred on all students that complete satisfactorily the requisite courses. Each candidate for this degree must submit not later than May 15th of his Senior year a thesis of not less than one thousand words upon some subject representative of his accepted Major. His subject for this thesis must be selected from a list presented by the head of the department in which he has chosen his Major. Candidates are invited to submit subjects for the approval of those in charge of the lists.

It is understood that each list from which choices are to be made will be presented not later than the Friday of the eleventh week of the first term.

The Degree of Master of Arts is conferred on graduates of the College of at least three years' standing who have completed one year's graduate non-professional study or its equivalent. Either two or three subjects may be selected, with the advice and under the direction of the heads of the College departments. Evidence of proficiency is to be given by examination and theses. Theses must be presented and fee paid as early as June 1st, and final examinations must be passed not later than ten days before the annual Commencement. The fee is $10.00. Modifications of the foregoing conditions may be granted resident graduates. Further information on the subject may be obtained by writing to the Secretary.

BUILDINGS

HATHORN HALL

Hathorn Hall, a beautiful and substantial building of three stories, contains the College Chapel, eight lecture rooms, the President's and the Assistant Treasurer's offices, a large study and a cloak room for women students, and the rooms of the Eurosophian and Polymnian societies. Through the generosity of successive classes, nearly all the rooms in this building have been finished and furnished with excellent taste. Hathorn Hall takes its name from Seth and Mary Hathorn, of Woolwich, Me., who in the early history of the institution contributed generously toward its erection.

PARKER HALL

Parker Hall affords accommodations for about one hundred young men. It has recently been renovated and modernized. The floors throughout are of hardwood. It is heated by steam and lighted by electricity. The rooms are arranged in suites, each consisting of a study and a bedroom. A commodious and tastefully furnished reception room, ample shower baths and other sanitary arrangements, and convenient and tasteful student apartments, render this hall one of the most homelike and satisfactory college dormitories in New England. In this building, also, are the rooms of the Christian Association and of the Piærian Society. The baseball cage in the basement affords uninterrupted opportunities for practice in the winter and in stormy weather. Parker Hall bears the name of the late Judge Parker of Farmington, one of the chief contributors for this, the second building erected upon the Campus. The immediate supervision and care of this building are entrusted to the Parker Hall Association, made up of the student occupants.

HEDGE LABORATORY

The building of the department of Chemistry is called Hedge Laboratory, in honor of the late Isaiah H. Hedge, M.D., of Waukon, Iowa, who furnished the means for its erection. It is a two-story building finely located and of attractive modern style. The rapidly increasing number of students and the popularity of the courses in Chemistry render absolutely necessary the doubling of the capacity of this building at the earliest date practicable. The amount needed for this purpose is $20,000.

SCIENCE HALL

Science Hall is the large three-story brick building formerly occupied by the Latin School. It is used by the departments of Physics and Biology and contains the botanical and mineralogical cabinets. It has met urgent needs during a period of rapid growth and marked progress. But, as soon as circumstances will permit, it should be restored to its former chief use—that of a dormitory for young men—and a modern building for the departments of Physics and Biology should be erected.

ROGER WILLIAMS HALL

Roger Williams Hall is an attractive and commodious three-story brick building erected by the late Lewis W. Anthony, Esq., of Providence, R. I. This hall, formerly devoted to the needs of Cobb Divinity School, is now used for college purposes. The first floor is occupied by a large lecture room, two recitation rooms, a special library, a reception room, and a reading room. The other floors are used for dormitory purposes. The student suites in this building are unusually tasteful and convenient. They accommodate between forty and fifty young men. The entire building is lighted by electricity. A new steam boiler adequate for the heating of this hall will be put in place during the approaching vacation. This building is under the supervision of the Roger Williams Hall Association.

CORAM LIBRARY

Coram Library, dedicated in 1902 and named for Mr. Joseph A. Coram of Lowell, Mass., who contributed twenty thousand dollars toward its erection, is one of the most beautiful and best planned buildings of its kind. Its reading, reference, seminar, and stack rooms are models of taste and convenience. The furnishings throughout are of the most approved designs for modern libraries. One of the largest rooms has been reserved for the reception of statuary, bronzes, pictures, and curios that the friends of the College have been waiting to give when a suitable place should be provided.

Recent valuable gifts include casts of the Apollo Belvedere and the Diana of Versailles—both of heroic size. Under the will of the late George W. Harris of Boston, in commemoration of his intimate friendship with the first Benjamin E. Bates, the College has come into possession of a choice collection of music, including many rare manuscripts.

The large and rapid accessions of books render necessary an immediate increase in shelving capacity through the utilization of wall space in the periodical room. A second story in the stack room will soon be required.

Individuals disposing of private libraries could find no better place in which to perpetuate the usefulness of rare and standard works.

GYMNASIUM

The Gymnasium, a two-story wooden building, with basement, is equipped with the usual appliances for physical development. It has been a very useful building; but it should give place as soon as practicable to a more capacious and substantial structure of modern design. A new Gymnasium adequate for our needs would cost $60,000.00.

PRESIDENT'S HOUSE

The President's House, a spacious and attractive two-story building originally erected for the President's residence, has since 1895 served as a dormitory for women students.

RAND HALL

Rand Hall, completed in 1905 for the women of the College, is a beautiful three-story building one hundred and twenty feet in length by forty-three in breadth.

By action of the Trustees at their annual meeting in June, 1908, this building was named Rand Hall in memory of Professor John Holmes Rand and his untiring efforts to assure a true college home to the women of Bates. It contains a large, well-equipped gymnasium, Fiske reception room for student social gatherings, rooms for the Dean and for the Director of the Women's Gymnasium, and for sixty young women, together with laundries, kitchens, dining-room, and all the appointments of a first-class women's hall.

MILLIKEN HOUSE AND WHITTIER HOUSE

The Milliken House and the Whittier House, through the generous consideration of Hon. C. A. Milliken, are now the property of the College. They are heated with steam and lighted with electricity and, together with the President's House and the New Dormitory, afford ample and up-to-date accommodations for the young women of the College.

RESOURCES

Within a few years the resources of the College have been doubled. This has been due in large measure to the generosity of Mr. Andrew Carnegie and of Mr. Bartlett Doe, late of San Francisco, each of whom subscribed $50,000 toward increasing the endowment. $60,000, also, were given by alumni and other friends of Bates in response to a condition imposed by Mr. Carnegie.

In September, 1907, $5,000 was received from the estate of the late Miss Emeline Spofford, of Brooklyn, N. Y., and in December of the same year an equal amount from Miss Mary Isabella Corning, of East Hartford, Conn., for the establishment of five scholarship in memory of her deceased aunt, Miss Lucia Spring.

In January, 1908, Mr. Carnegie made a second subscription of $50,000 for the erection of a Science Building. The condition of this subscription is that $50,000 of new endowment shall be "raised in cash, or its equivalent in securities, for maintenance of the Science Department." Of the sum required about $20,000 have been subscribed, leaving $30,000 still to be secured. As the building is urgently needed, it is hoped that friends of Bates will show their appreciation of Mr. Carnegie's remarkable generosity by contributing the required amount at once.

The total invested funds of the College at the present date amount to fully $600,000. The total resources of the College, including grounds, buildings, library, and apparatus, have a value of fully $1,000,000.

LIBBEY FORUM

Through the generosity of Honorable W. Scott Libbey, the Literary Societies and the Christian Associations of the College will, early in the approaching winter, be provided with large, beautiful, and convenient rooms—one for each of the three Societies and a fourth for the Y. M. C. A. and the Y. W. C. A. The new building has been erected to stand, and is probably the most solid and substantial structure in Lewiston. It is complete in all of its appointments. Its spacious corridors, its convenient cloak and toilet rooms, its arrangements for heat and light, and its furnishings are all in complete harmony with the general design; and the result is an ideal home for the Societies that have long been one of the most unique and attractive features of Bates. The building occupies the large lot on the northern side of Mountain Avenue at its junction with College Street. The completion of this hall will render available for important uses of the College the rooms that have been occupied for society purposes in Hathorn Hall and Parker Hall.

THE AUDITORIUM

For his original design of erecting one large building that should meet the needs of our Societies and also contain an audience room for public occasions, Mr. Libbey has substituted the plan of two separate halls. The Auditorium is to be built next year upon some suitable site within the main Campus. It will be an important and highly valued addition to our system of buildings, removing as it will the present necessity of going a mile or more from our own grounds whenever we must provide for a large college gathering.

GEORGE COLBY CHASE LECTURE FUND

On Commencement Day, June 28, 1906, one of the Trustees of the College announced the creation of a fund of $5,000 by a friend whose name has not been disclosed, for the establishment of the George Colby Chase Lecture Fund for the maintenance of a permanent course of lectures to be known as the George Colby Chase Lecture Course. The purpose of the unknown donor is definitely disclosed in the following citation from a prescribed trust agreement since executed: "Fourth, That the income of said fund shall be used exclusively for the maintenance of Lecture Courses in said College, and that no part of said income shall be used for any other purpose. Fifth, That speakers shall be selected who have done something worthy of special commendation, who have a message and who can deliver it in such a manner as will be helpful to College students."

The far reaching significance and substantial value of this lecture course for Bates students, thus made coeval with the life of the institution, can be better appreciated a century hence than now. This trust faithfully administered will break the isolation too often existing between the college and the world, and assure to every Bates man and Bates woman the quickening influences of great leaders in thought and achievement. The lectures thus far given under the provisions of this fund have been by Rev. Lyman Abbott, D.D., Rev. Hugh Black, D.D., and Mr. George W. Cable.

THE PUBLIC SERVICE OF BATES

To all who can prize her contributions to the intellectual and moral forces that must save our country Bates can unhesitatingly appeal. The number of her graduates at the present time is 1,380.

Down to 1902, of her 965 graduates, 417 had become teachers—more than 43 per cent.—and 122 ministers, the latter being distributed among ten religious denominations. Fifty had filled positions in Universities and Colleges, and more than this number had won distinction as State, City, and District Superintendents and as Principals of important Secondary Schools. In authorship, on the Bench, in Legislature, in Journalism, Law, Medicine, and Engineering, she has had distinguished representatives; while nearly the entire body of her alumni have proved themselves pure, earnest, useful citizens, ready for every good word and work, and making happier and better the communities in which they have lived. The thorough preparation that Bates gives for public speaking is shown by the honors won in the last twelve years in eighteen out of twenty inter-collegiate debates—eleven of these with Universities.

REASONS FOR AIDING BATES

1. To a large number of young men and young women she offers their sole reasonable hope for obtaining a liberal education.

2. She is recruiting the ranks of educators, East, South, and West, with a body of scholars and teachers of signal ability and influence.

3. She has been successful in securing character as well as scholarship.

4. She is unsectarian.

5. Her location is the best possible for her usefulness. She gathers from a constituency widening every year young men and young women of small means but of great promise, some of them traveling hundreds of miles to secure from her the New England culture of heart and mind, that they may use it for the good of our entire country.

6. She took up the cause of higher education for women when it was unpopular.

7. Every dollar given to her work strengthens the forces that are shaping our Christian civilization.

SUMMARY OF NEEDS

1. $500,000 as an immediate addition to the permanent fund, in order to ensure the efficient maintenance of present work, the development of existing departments, the establishment of a chair of Education and a chair of History, and the increase of the salaries of the teachers to a living basis.

2. $30,000 to complete the $50,000 required to secure the $50,000 conditionally subscribed by Mr. Carnegie to erect our much needed building for the departments of Physics and Biology.

3. $10,000 for the suitable equipment of this building.

4. $20,000 for doubling the capacity of the present Chemical Laboratory.

5. $10,000 for renovating Science Hall, heating it with steam, and thoroughly equipping it as a dormitory. Our dormitory facilities for young men are already used to the utmost limit.

6. $5,000 to pay for the furnishing of Coram Library and to secure additional appliances.

7. $50,000 as a permanent fund for the Library.

8. $150,000 for additional Scholarships for deserving students.

9. $60,000 for the erection of a new Gymnasium for the men students.

10. $100,000 for the erection and maintenance of an Astronomical Observatory and the support of its Director.

11. $50,000 for the erection of a College Chapel.

12. $10,000 for the grading and improvement of the campus.

13. $50,000 for a Central Heating Plant. This is urgently required both for comfort and for economy.

The total of the amounts named is more than $1,000,000. We can do a valuable work while waiting for some of these needs to be met; others of them are urgent; all of them are implied in the plan of our institution; and could they be met at once, the result would justify the outlay. The enlargement of the Chemical Laboratory, the erection and equipment of the Science Building above named and of a Gymnasium for the young men, and the installation of a Central Heating Plant can be delayed only with serious loss to the College.

FORM OF A BEQUEST

"I give and bequeath to the President and Trustees of Bates College, a corporation existing in Lewiston, Me., the sum of ———— dollars, in trust, the principal of said sum to be safely invested by them, and the income thereof appropriated under their direction for the purposes of the College."

Scholarships

State Scholarships

There are ten State Scholarships (giving tuition to ten students) in the hands of the Governor; and in bestowing them preference is given to the children of those who have borne arms in defense of their country, and always to students who are needy and meritorious.

Each of the following scholarships has been endowed by a donation of one thousand dollars, and gives free tuition to the student elected to hold the scholarship.

Redington Scholarship—For a Lady Student

Endowed by the late Hon. Asa Redington, LL.D., of Lewiston. This is supposed to be the first instance of such an appropriation in any college.

Dudley Scholarship

Endowed by the late Alvin D. Dudley, Esq., of Haverhill, Mass.

Cheney Scholarship—For a Student from New Hampshire

Endowed by the late Hon. Person C. Cheney, A.M., of Manchester, New Hampshire.

Woodman Scholarship

Endowed by the Paige Street Free Baptist Church, Lowell, Mass., in memory of Rev. Jonathan Woodman, late pastor of the church.

Symonds Scholarship

Endowed by the Plymouth Street Free Baptist Church, Portland, in memory of Joseph Symonds, Esq., a deacon of the church.

Clements Scholarship

Endowed by the late Rev. Tisdale D. Clements of Lewiston.

Bridge Scholarship

Endowed by the late Charles Bridge, Esq., of Gardiner.

Lewis Scholarship

Endowed by the late Chace Lewis, Esq., of Providence, Rhode Island.

Class Scholarship

Endowed by the class of 1877.

Bartlett Scholarship

Endowed by the Main Street Free Baptist Church, Lewiston, in memory of Rev. Flavel Bartlett.

Nathaniel Bowen Scholarship

Endowed by the late Mrs. Hannah Bowen of Providence, Rhode Island.

Cobb Scholarship

Endowed by the late Hon. C. C. Cobb of Lewiston, in memory of his son, Rev. Frank Woodbury Cobb, A.M., class of 1873.

Houghton Scholarship

Endowed by the late Rev. Alphonso L. Houghton, A.M., of Lawrence, Mass., class of 1870.

Randall Scholarship

Endowed by Mrs. Abby Randall, in memory of Isaac Randall, Esq., of Johnston, R. I.

Williamson Scholarship

Endowed by Elias W. Williamson, Esq., of Potter's Landing, Md., in memory of his father, Rev. Stephen Williamson, of Stark.

Quinnam Scholarship

Endowed by Mrs. James Hobbs of Chicago, Ill., in memory of her father, Rev. Constant Quinnam.

Eaton Scholarship

Endowed by Mrs. Oliver H. Durrell of Cambridge, Mass., in memory of her father, Rev. Ebenezer G. Eaton of Lewiston.

Baldwin Scholarship

Endowed by the late B. C. Baldwin, Esq., of Lowell, Mass., in memory of his wife.

Bonney Scholarship

Endowed by Mrs. Harriet Cheney Bonney and Sherman G. Bonney, M.D., in memory of Calvin F. Bonney, M.D., of Manchester, N. H.

Frye Scholarship

Endowed by Hon. William P. Frye, LL.D., of Lewiston.

Nutting Scholarship

Endowed by the late Lyman Nutting, Esq., of Lebanon, Pa., in memory of his sister, Mrs. Charlotte Nutting Chadbourne.

Ellis Scholarship

Endowed by the late Miss M. A. Wales of Boston, Mass., in memory of her pastor, Rev. Rufus Ellis, D.D.

Talpey Scholarship

Endowed by the late Hon. Charles W. Talpey of Farmington, N. H.

Thissell Scholarship

Endowed by Mrs. Abby T. Deering of Portland, in memory of Hon. John Thissell of Corinth.

Ward Scholarship

Endowed by Mrs. Mary E. Ward, in memory of her husband, Warren Ward, Esq., of Auburn.

Bean Scholarship

Endowed by Cyrus E. Bean, Esq., of Portland, in memory of his father, Cotton Bean, Esq., of Limerick.

Small Scholarship

Endowed by James T. Small, Esq., of Lewiston, in memory of his son, Everett J. Small, class of 1889.

Dyer Scholarship

Endowed for the benefit of some student preparing for the Christian ministry, by the late Mrs. Irene M. Higgins, in memory of her parents, Mr. and Mrs. Jonah Dyer of Cape Elizabeth.

Page Scholarship

Endowed by Peter Page, Esq., of New York City.

Ramsey Scholarship

Endowed by the late Mrs. V. G. Ramsey of North Berwick, in memory of her husband, Rev. G. P. Ramsey.

Mathews Scholarship

Endowed by the late John M. Mathews, Esq., of Burlington, Vt., in memory of his daughter, Orissa Frances Mathews.

Perkins Scholarship

Endowed by Mrs. Moses W. Shapleigh of Ashland, N. H., in memory of her father, Rev. Thomas Perkins.

Woodbury Scholarship

Endowed by friends of the late Charles Woodbury of Boston, for the benefit of some Methodist student.

Harmon Scholarship

Endowed by the late Ivory W. Harmon of Newton Center, Mass., in memory of his son, Wallace Ivory Harmon.

Mary L. Stone Scholarship

Endowed by the late James S. Stone of Boston, Mass., in memory of his wife.

Jordan Scholarship

Endowed by Merrill Page and Emily Deering Jordan, in honor of Rev. Zachariah and Sabrina Page Jordan.

Clapp Scholarship

Endowed by Lucius Clapp, Esq., of Randolph, Mass.

Weber Scholarships

The trustees, under the will of the late Frederick E. Weber of Boston, Mass., have given five thousand dollars for the maintenance of Weber Scholarships, for the benefit of needy and deserving students at Bates College. It is a condition of the gift that one-half of the income shall be added to the principal year by year; and that the remaining half only shall be used for the support of said scholarships.

Lovina Haines Haskell Scholarship

Endowed by Edwin B. Haskell of Boston, Mass.

Fiske Scholarship

Endowed by the late Miss Elizabeth S. Fiske of Boston, Mass.

Rowe and Clarry Scholarships

Endowed by a bequest of Mrs. Emily H. C. Rowe, in memory of her daughter, Miss Emma F. Clarry, and affording free tuition to four young women, preference to be given to worthy students from Brooks, Me.

Dexter N. Richards Scholarship

Endowed by Mrs. L. M. Richards of Brookline, Mass., in memory of her husband.

Stetson Scholarship

Endowed by the late Amos W. Stetson of Boston, Mass.

John D. Philbrick Scholarship

Endowed by the late Mrs. John D. Philbrick.

William Wells Cate Scholarship

Endowed by Rev. C. E. Cate, D.D., of Providence, R. I., in memory of his brother.

E. S. Jordan Scholarship

Endowed by the late Mrs. Clara Stanton Jordan, in memory of her husband.

Coe Scholarship

A scholarship of $3,000, endowed by Thomas Upham Coe of Bangor, in memory of his brother, Eben Smith Coe. The income is awarded annually to the man in the Senior Class whose scholarship and conduct, during the previous three years of the course, have been the most meritorious. The award is made at the close of the Junior year.

The Knowlton Scholarships

Hon. Hiram Knowlton of Portland, Maine, has desposited with the Treasurer of the College $3,000, the income of which sum is to be used, when under the stipulated conditions it shall become available, for the maintenance of the following scholarships:

William and Mary Knowlton Scholarship

To perpetuate the names of his parents.

Sabrina Wood Knowlton Scholarship

To perpetuate the name of his wife.

William James Knowlton Scholarship

To perpetuate the name of his son.

Joseph S. Ricker Scholarship Fund

A fund of $10,000 to ensure free tuition to deserving women students—the beneficiaries to be selected, whenever practicable, from different counties in Maine.

Foster Lee Randall Scholarship

Endowed by the late Foster Lee Randall of Lewiston.

Stanley Scholarship

Endowed by Ezra B. Stanley of Manchester, Mass.

David and Thankful Jordan Scholarship

Endowed by their children.

Hopkins Scholarship

Endowed by the late Augustus Hopkins, Esq., of Gardiner, Maine, preference to be given worthy students from Gardiner.

Herrick Scholarship

Endowed by Katherine Gardiner Herrick and H. Adeliza Herrick of Lewiston, in memory of their parents, Samuel and Phebe H. Herrick, late of Northport, Me.

Tarbox Scholarship

Endowed by Oren Cheney Tarbox, M.D., Bates '80, in honor of his parents, Rev. Moses H. and Mrs. Adrianna Weymouth Tarbox. Said scholarship to be applied for the aid of any deserving student, irrespective of age, color, sex or sect, preference being given, however, to a student contemplating the Christian ministry.

Osgood Scholarship

Endowed by Col. Charles H. Osgood of Lewiston, and Amy Elizabeth Hunter of Carbondale, Pa., in honor of their father and mother, Henry A. and Elizabeth H. Osgood, for the benefit of some young man or woman from the State of Maine.

Albina Elizabeth Goodspeed Scholarship

Endowed by Jessie L. Goodspeed, Gertrude C. Goodspeed, and Henry S. Goodspeed of the city of New York, in memory of their mother,—the preference in awarding the scholarship to be given to a woman student.

Class Scholarship

Endowed by the class of 1887, descendants of members of the class to have the preference when possible, in the benefits from the scholarship.

Arthur Sewall Whitehouse Scholarship

Endowed by the Class of 1875, in memory of their scholarly and beloved classmate, born August 25, 1853, died February 18, 1874.

Charles E. Moody Scholarship

Endowed by his sister, the late Frances S. Moody.

John P. Hilton Scholarship

Endowed by the late Mrs. Mary Hilton of Cambridge, Mass., in memory of her husband.

Clara B. Perkins Scholarship

Endowed by the late Benjamin F. Perkins, of Bristol, N. H., in memory of his daughter.

Lucia Spring Scholarships

Five scholarships endowed by Miss Mary Isabella Corning, of East Hartford, Conn., in memory of her aunt, Miss Lucia Spring. These scholarships are primarily available for young women, but may be assigned to young men.

Herbert L. Bradford Scholarship

Endowed by his parents, Roscoe S. and Asenath J. Bradford, in memory of their son, Herbert Loring Bradford, who died in 1883 during the first term of his Freshman year at Bates,—for the benefit of a deserving young man.

Bradstreet Fund

Mr. William W. Bradstreet of Gardiner, Me., has established a Trust Fund of $2,000, the income of which is to be used for the benefit of deserving students, under the direction of the President of the College, and in accordance with certain conditions specified in the trust.

Student Fund

Students contemplating the Christian ministry receive assistance every year of the course.

Prizes

First—For General Scholarship

To a young man and to a young woman of the Junior Class, prizes of TEN DOLLARS each.

To a young man and to a young woman of the Sophomore Class, prizes of EIGHT DOLLARS each.

To a young man and to a young woman of the Freshman Class, prizes of SIX DOLLARS each.

Second—For Excellence in Declamation

In the Second Term—To a young man and to a young woman of the Freshman Class, prizes of TEN DOLLARS each.

In the First Term—To a young man and to a young woman of the Sophomore Class, prizes of TEN DOLLARS each.

In the Third Term—To members of the Junior Class, one prize of SEVENTY-FIVE DOLLARS and one prize of TWENTY DOLLARS for original declamation.

Third—For Excellence in English Composition

In the Third Term—To a member of the Sophomore Class, a prize of TEN DOLLARS.

Fourth—For Excellence in Public Debate

Second Term—To a member of each division of the Sophomore Class, a prize of TEN DOLLARS.

Third Term—The Champion Debate—Prizes amounting to twenty-five dollars; ten dollars for the best debate, and fifteen dollars to the best team. Six are chosen from the Sophomore Class to compete for these prizes.

Hon. F. M. Drew awards annually solid gold medals to men who win intercollegiate debates.

Fifth—The Bryant Prize

Through the generosity of Mr. W. H. H. Bryant of Boston, Mass., a prize of FIFTY DOLLARS will be awarded annually to the member of the Senior Class who shall prepare the best essay upon "Arbitration instead of War."

Sixth—The Coe Scholarship

A scholarship of $3,000, endowed by Thomas Upham Coe of Bangor, in memory of his brother, Eben Smith Coe. The income is awarded annually to the man in the Senior Class whose scholarship and conduct, during the previous three years of the course, have been the most meritorious. The award is made at the close of the Junior year.

For the past year the prizes have been awarded as follows:

For General Scholarship—John M. Carroll, Angie E. Keene, Charles A. Magoon, Nellie M. D. Jack, C. R. Clason, F. P. Clason, Susan E. Hayes, Gulie A. Wyman.

For Public Declamation in 1907—To the Sophomore Class, Peter I. Lawton, Martha I. Harmon; in 1908—to the Freshman Class, Robert M. Pierce, Carrie A. Ray; in 1908—to the Sophomore Class, Robert M. Pierce, Carrie A. Ray.

For Original Declamation, 1908—John B. Sawyer, Angie E. Keene.

For Public Debate, 1908—Alice A. Burnham, Roy E. Cole, Stanley E. Howard, Peter I. Lawton, Charles A. Magoon, Clarence P. Quimby.

For Champion Debate, 1908—Peter I. Lawton; the best team,—Charles A. Magoon, Clarence P. Quimby, Peter I. Lawton.

The Bryant Prize, 1908—Maude M. Bradford.

The Coe Scholarship, 1908—John M. Carroll.

In the Intercollegiate Debate with Queen's University, the winning team consisted of Fred R. Noble, '08, Thomas S. Bridges, '08.

In the Intercollegiate Debate with Clark College, the winning team consisted of John M. Carroll, '09, Rodney G. Page, '09, John B. Sawyer, '09.

The members of the above two teams received the F. M. Drew medals.

In the Sophomore Debate with the University of Maine, the winning team consisted of Stanley E. Howard, Peter I. Lawton, Clarence P. Quimby.

For special proficiency in the work of any department, a student may receive an honorary appointment as assistant in that work. Such appointments for the present year are as follows: Biology, George H. Smith; Chemistry, Herbert F. Hale, Raymond S. Oakes; English, Angie E. Keene, Iola A. Walker, Olive L. Farnham; German, Myer Segal; History, John M. Carroll; Latin, John P. Jewell, Stanley E. Howard; Oratory, John B. Sawyer, Jessie H. Nettleton; Physics, Arthur E. Morse, Ernest E. Larrabee.

The editors of the *Bates Student* for 1908 are Charles A. Magoon, Peter I. Lawton, Clarence P. Quimby, Jessie H. Nettleton, Nellie M. D. Jack, Eva M. Schermerhorn.

STUDENTS

Graduate Course

NAME	RESIDENCE	ROOM
Paul, Harriet Catherine	Auburn	49 Western Promenade, Auburn

A.B. (Wellesley College) 1908. English, German, Philosophy. Candidate for A.M.

Senior Class

NAME	RESIDENCE	ROOM
Adams, Helen Wilson	Bowdoinham	C H
Ames, William Porter	Grant, Montana	4 R W H
Bartlett, Amy Etta	Auburn	19 Hampshire Street, Auburn
Bolster, George Frederick	Gibson, N. B.	14 R W H
Boothby, Willard Sands	Lewiston	256 College Street
Browne, Corinne Mildred	Malden, Mass.	7 R H
Brush, Alta Belle	Lewiston	14 Mountain Avenue

Carroll, John Murray	Washington	199 Oak Street
Chapman, Winnifred Amelia	Lewiston	12 Prescott Street
Clason, Bertha Sarah	Gardiner	22 R H
Cobb, Stephen Aratas, Jr.	Gardiner	24 P H
Cochran, Isaac George	Rochester, N. H.	11 P H
Cook, Solomon Everett	Oxford	18 P H
Crommett, William Gladstone	Chelsea, Mass.	12 P H
Culhane, Phyllis Caroline	Gorham, N. H.	2 R H
Davis, Edith May	Lewiston	40 Jefferson Street
Dunn, Florence Marie	Auburn	C H
Eekhoff, Scott Sidney	Chelsea, Mass.	13 P H
Fogg, Agnes Spaulding	Gray	C H
Foss, Alice Adams	Rye Center, N. H.	32 Frye Street
Gerry, Henry Lester	Lewiston	35 Frye Street
Grant, Agnes Donald	Vinalhaven	C H
Greenleaf, Georgia Mabel	Auburn	79 High Street, Auburn
Haines, Grace Ethel	South Portland	16 R H
Hale, Herbert Francis	New Sharon	8 H P
Hardie, Mary	Bowdoinham	C H
Harris, Charles Lester	Detroit	18 P H
Hawks, Clarence Leslie	Keuka Park, N. Y.	28 Frye Street

Hayward, Ralph Simpson	Auburn	24 High Street, Auburn
Holbrook, Grace Everlina	Manchester, N. H.	7 R H
Holman, Carl	Jay	31 P H
Holman, Wallace Floyd	North Jay	25 H P
Holt, Horace Irving	Lewiston	101 Nichols Street
Howard, Alice Elva	Brockton, Mass.	5 R H
Humiston, Alice Mildred	East Jaffrey, N. H.	C H
Hunt, Florence Mabel	Augusta	26 R H
Irish, Arthur	Turner	9 P H
Jewell, John Poland	South Portland	12 P H
Jordan, Dana Stanford	East Raymond	13 P H
Jordan, Mildred Jasmine	Auburn	22 R H
Keene, Angie Estella	Lewiston	Sylvan Avenue
Lancaster, Fred Henry	Pittsfield	32 P H
Lane, Alzie Edrie	Gardiner	26 R H
Larrabee, Ernest Everett	Auburn	491 Main Street, Lewiston
Lasselle, Olive Mary	Leominster, Mass.	22 R H
Libby, Warren Edgar	Woonsocket, R. I.	15 P H
Linscott, Arthur Fay	Troy	14 P H
Lovejoy, Fred Collins	North Chesterville	25 P H
Martin, William Harris	North Weare, N. H.	15 P H
Maxwell, Angie Winnefred	Sabattus	Sabattus

Meader, Alethea Caroline	Lewiston	403 Main Street
Merrill, Helen Maybel	Auburn	143 Pleasant Street, Auburn
Merrill, Gardner Fessenden	Bridgton	32 P H
Miller, Harry Claire	Winthrop	16 P H
Morse, Arthur Everett	Chesterville	40 S H
Nelson, Chesley Wilbur	West Southport	25 P H
Oakes, Raymond Silvester	Auburn	15 P H
Page, Rodney Gerald	Bucksport	24 P H
Park, Clinton DeWitt	Presque Isle	13 P H
Peckham, Frederic Metcalf	Lewiston	14 Pleasant Street
Peterson, Harrison Morton	Columbia Falls	10 P H
Pomeroy, Carl Thatcher	Lewiston	38 Davis Street
Purinton, Carl Russell	Bath	14 P H
Ranger, Carl Herman	Dryden	1 P H
Reed, Ralph Gerry	South Bridgton	18 P H
Roseland, Charles Everett	Unity	11 P H
Sawyer, John Bryant	Lewiston	70 Elm Street
Schermerhorn, Myrtle Lane	Kennedy, N. Y.	
Segal, Myer	St. John, N. B.	69 Second Street, Auburn
Sharp, Clara Agnes	Lewiston	83 Lowell Street
Smith, George Hathorn	Meredith, N. H.	24 P H
Stone, Harold Edgar	Lisbon Falls	30 P H

Story, Herbert Lewis	Merrimac, Mass.	145 Nichols Street, Lewiston
Swift, Edith Winnifred	Auburn	77 Spring Street, Auburn
Wadleigh, Joseph Bertram	South Kingston, N. H.	13 P H
Wadsworth, John Thaddeus	Gardiner	10 P H
Walker, Iola Agnes	Mechanic Falls	C H
Waller, Nellie Blanche	Westford, Mass.	C H
Weare, Laura Maude	Auburn	108 Goff Street, Auburn
Wiggin, Joseph Alfred	Portsmouth, N. H.	11 P H
Wood, Herbert Wilbur	East Corinth	
Woodward, Louis Burton	Dresden Mills	23 P H

Junior Class

NAME	RESIDENCE	ROOM
Andrews, Delbert Elvin	Jefferson	34 S H
Archibald, Grace	Houlton	6 R H
Barker, Nellie Annette	Auburn	177 Cook Street, Auburn
Bean, Orel Merton	Pittsfield	133 College Street
Blossom, Deborah Belle	Turner Center	13 R H
Bolster, Morton Virgin	South Paris	8 P H
Booker, Percy Hilton Harris	Gardiner	30 P H
Boulia, Agnes Louise	Laconia, N. H.	16 R H
Bryant, Alice Monroe	Auburn	72 James Street, Auburn
Buker, William Hall	Monmouth	26 P H
Burnham, Alice Alden	Auburn, R. F. D. 1	
Cole, Roy Emerson	South Paris	20 P H
Crockett, Alice Robinson	Freeport	44 Cottage Street
Crockett, Adelina Estelle	Freeport	229 Oak Street
Crockett, Elsie Beulah	Freeport	61 Cottage Street
Cummings, Ralph Burtram	Auburn	33 P H
Davis, Hartwell Clarence	Lubec	31 P H

Dorman, Horatio Nelson	Franklin, N. H.	2 R W H
Eaton, Mabel	Auburn	22 Drummond Street, Auburn
Edwards, Jane Curtis	Lewiston	80 Elm Street
Edwards, Jennie Hazel	Madison	M H
Farnham, Olive Lillian	Warren	6 R H
Farnsworth, Everett Leslie	South Framingham, Mass.	2 R W H
Greenleaf, Gladys Maud	Lisbon Falls	4 R H
Hall, Alice Parsons	Turner Center	27 R H
Hall, Myrta Alice	Lewiston	165 Holland Street
Hamilton, Georgia Townly	Chebeague Island	3 R H
Hamilton, Marion Lovina	Falmouth	R H
Harlow, Grace	Gorham	46 R H
Howard, Stanley Edwin	Springfield, Mass.	13 H H
Jack, Nellie Day Deering	Portland	C H
Jones, Mildred Iris	Springfield, Mass.	24 R H
Kemp, Ida Boynton	Kingston, N. H.	46 R H
Kendrick, Cyrus Maxcy	Litchfield Cor's	26 P H
Kidder, Frances Patten	Richmond	195 College Street
Lawton, Peter Ignatius	Auburn	39 Cook Street, Auburn
Leland, Christine	Minot	W H
Little, Sarah Eliza	Merrimac, Mass.	M H
Longfellow, Anna Bartlett	Monmouth	3 R H

Loring, Fred Milton	Auburn	253 Turner Street, Auburn
Lucas, Fay Ellwood	St. Albans	32 P H
Luce, Leon Alex	Dryden	1 P H
Magoon, Charles Alden	St. Albans	21 P H
Martin, Fred Henry	York Village	94 Nichols Street
Merrill, Charles Elmer	South Paris	8 P H
Merrill, Nettie May	Patten	23 R H
Mitchell, Beulah	Lubec	M H
Moulton, John Henry	Limington	1 P H
Nettleton, Jessie Hague	Pembroke N. H.	C H
Niles, Lena Mabel	Dryden	23 R H
Nutting, Nellie Sophronia	West Boylston, Mass.	M H
Orr, Lewis Jordan	Portland	R W H
Osborne, Walter Scott	Mt. Blue, Mass.	P H
Parsons, Katherine May	Lewiston	518 Main Street
Parsons, Ruby Marion	Auburn	495 Court Street, Auburn
Peasley, Charles Harold	Lewiston	106 Bartlett Street
Perry, Florence Helen	Wrentham, Mass.	2 R H
Pert, Minnie Warren	Richmond	C H
Pinkham, Florence Ada	Lewiston	151 Nichols Street

Porter, Amorette	Pittsfield	W H
Porter, Juanita Douglass	Lewiston	484 Main Street
Powers, John Herrick	Lancaster, N. H.	13 H H
Quimby, Clarence Paul	North Turner	20 P H
Quinn, Elton Leroy	Pittsfield	21 P H
Ramsdell, Guy Harry	West Lubec	31 P H
Rollins, Lyman	Concord, N. H.	31 R W H
Schermerhorn, Eva Mildred	Kennedy, N. Y.	W H
Smith, Frank Albert	Gardiner	34 S H
Taylor, Alta Carmen	Wells	24 R H
Thurston, Paul Cleveland	Bethel	9 P H
Verrill, Clara Elizabeth	Cumberland Mills	15 R H
Vinal, Mildred Holman	Vinalhaven	27 R H
Vinal, Nelly Parker	Vinalhaven	4 R H
Whitehouse, Helen Margaret	Auburn	32 Second Avenue, Auburn
Williams, John Lincoln	Worcester, Mass.	19 P H

Sophomore Class

NAME	RESIDENCE	ROOM
Aas, Samuel Anderson	Baltic, S. D.	68 Wood Street
Abbott, Charles Ham	Presque Isle	17 P H
Andrews, Waldo Vanderbilt	Jefferson	34 S H
Barnard, Hazel Belle	Auburn	126 Goff Street, Auburn
Bassett, Roscoe Conkling	Alton, N. H.	36 P H
Bishop, John Garfield	Houlton	17 P H
Blake, Fred Raymond	Auburn	P H
Blake, Irving Hill	Augusta	26 R W H
Bolster, Ralph Harold	Sprague's Mills	18 P H
Bonney, Clinton Howard	Auburn	35 Josslyn Street, Auburn
Bowman, Winfred Wolfe	Hatfield, Mass.	41 P H
Brann, Una Eliza	Kittery	M H
Brown, Clarence Huberto	Island Falls	
Brown, Melissa	Richmond	C H
Callahan, Beatrice Frances	Lewiston	206 Middle Street
Carroll, James Henry	No. Attleboro, Mass.	47 P H
Carville, Alonzo	Minot	P H

Chamberlain, Pauline Burnham	Portland	44 R H
Chandler, Irene May	Portland	M H
Chandler, Raymond Abbott	Pittsfield	200 College Street
Chase, Edna Baker	Portland	35 R H
Cheetham, Charles Lee	Lewiston	88 Webster Street
Clason, Charles Russell	Gardiner	19 P H
Clason, Freeman Pell	Gardiner	19 P H
Clifford, Caroline Mabelle	South Paris	M H
Cook, Alice Margaret	Beverly, Mass.	M H
Cox, Gertrude Annie	Poland, N. Y.	42 R H
Cox, Rita May	Lewiston	415 Main Street
Cox, Sidney Hayes	Poland, N. Y.	26 R W H
Curtis, Emma Zilpha	Silver's Mills	W H
Damon, Lawrence Wilson	Marshfield Hills, Mass.	27 P H
Davis, Helen Juniata	Auburn	43 R H
Doe, Charles Tristram	South Effingham, N. H.	31 S H
Douglas, Chester Augustine	Lisbon	34 P H
Dow, Ralph Pennell	Gray	6 R W H
Dow, Sarah Helena	Bolton, Mass.	45 R H
Dunfield, Isaac Burten	Glenvale, N. B.	37 P H
Dunn, Howard Westmont Jr.	Ellsworth	35 P H
Dwinal, Genevieve Ella	Auburn	20 Highland Avenue, Auburn

Dwyer, Agnes Cecilia	Stoughton, Mass.	M H
Erskine, Justus Stanley	Lewiston	243 College Street
Field, Mae Muzzy	South Paris	33 R H
Fisher, William Livingstone	Manchester, N. H.	21 R W H
French, Stanley Increase	Corinna	145 Nichols Street
Gilman, Rollie Hacking	West Stewartson, N. H.	34 P H
Graham, Walter James	Yarmouthville	32 R W H
Green, Everett Welles	Rockland	87 Wood Street
Guptill, Roger Stillman	Berwick	31 S H
Hackett, Beulah Frances	Lewiston	108 Oak Street
Harmon, Martha Isadore	Lewiston	M H
Harmon, Reginald Frank	Abbot Village	P H
Harriman, Ray Wilkins	Gardiner	20 P H
Harris, Le Roi	Chelsea, Mass.	16 Frye Street
Hayes, Susan Elsie	Rochester, N. H.	M H
Hewett, Frances Evelyn	Rockland	M H
Hillman, Frederick Walter	Island Falls	11 R W H
Hines, Marcella Mildred	Washburn	32 Cottage Street
Hodgkins, Alton Ross	Darmariscotta Mills	11 R W H
Hooper, William Henry	Gorham	28 P H

Houdlette, Nola	Dresden Mills	31 R H
Howard, Lewis Warren	Townsend, Mass.	28 P H
Howard, Lura Maude	Onset, Mass.	15 R H
Huntington, Ray Merton	Gardiner	87 Wood Street
Ingersoll, Elisabeth Frances	Auburn	131 Center Street, Auburn
Ingersoll, Frank Ellis	Auburn	182 Turner Street, Auburn
Jackson, Carl Ziegler	Clinton, Mass.	36 P H
Jenkins, Edna Marguerite	Falmouth, Mass.	21 R H
Jenness, Ellwood Stephen	Dover, N. H.	29 P H
Johnson, Harry Arthur	Minturn	37 P H
Jose, Lillian Charlotte	Portland	36 R H
Keaney, Frank William, Jr.	Cambridge, Mass.	47 P H
Kemp, Marion Tabor	Kingston, N. H.	363 Main Street
Knowles, Mary Ellen	Lubec	M H
Leard, Hazel Pearl	Portland	43 R H
Lewis, Grace Marion	Gardiner	45 R H
Little, Eulela Maud	Gardiner	31 R H
Lombard, Clarence Willard	South Portland	16 P H
Lord, Charles Emerson	Lisbon Falls	22 P H
Lovejoy, Maude E.	North Chesterville	44 R H
Lovely, Eugene Vernon	Gardiner	16 P H
Lowe, Elsie Washburn	East Poland	M H

Mann, Edna Winifred	Millers Falls, Mass.	34 R H
Manter, Marion Edna	Whitefield, N. H.	M H
Marr, Alberta Maddocks	Pemaquid Point	25 R H
Marston, Annie Stanton	Center Sandwich, N. H.	11 R H
Mathews, Walter Ellwyn	St. Albans	23 P H
McCann, Sarah Webster	Mechanic Falls	Mechanic Falls
McKusick, Leon Roy	Guilford	P H
McLean, Mary Emma	Augusta	W H
Morrison, William	Lewiston	129 East Avenue
Morse, Alvin Strickland	Kingfield	38 S H
Moulton, Louisa	Center Sandwich, N. H.	21 R H
Nichols, Ambrose Jennings	Manchester, N. H.	39 P H
Parsons, Grace Ina	Bangor	36 R H
Peakes, John Edwin	St. Albans	23 P H
Pelletier, John Baptiste	Keegan	142 College Street
Pemberton, Edith May	Lewiston	85 Pine Street
Phillips, Nathaniel, 2d	Marshfield Hills, Mass.	27 P H
Pierce, Robert Milton	Boston, Mass.	2 R W H
Pingree, Helen Spofford	Auburn	28 Elm Street, Auburn
Preston, Wallace Franklin	Brockton, Mass.	29 P H

Quimby, Francena	Auburn	122 Seventh Street, Auburn
Quincy, Frank Brick	Masardis	17 P H
Randlett, Lillian Arvilla	Lawrence, Mass.	13 R H
Ray, Carrie Agnes	North Adams, Mass.	M H
Rhoades, Carl Tracy	Harmony	144 Wood Street
Richards, Helen Varney	Portland	M H
Richardson, Frank Benjamin	Monmouth	34 P H
Robertson, Harold Chester	St. Albans	14 P H
Robinson, George Henry	Lewiston	126 Russell Street
Salls, Helen Harriet	Auburn	R H
*Sargent, Walter Hall	Sargentville	133 College Street
Stanhope, Effie Mae	Foxcroft	M H
Stevens, Carl Mantle	Auburn	22 Lake Street, Auburn
Stordahl, Bernt O.	Baltic, S. D.	68 Wood Street
Strout, Roy Merrill	Steep Falls	40 S H
Stuart, Fred Roebling	Boothbay	86 Nichols Street
Tasker. Winifred Grace	Dexter	M H
Taylor, Charles Edward	Lisbon Falls	22 P H
Tebbetts, Arthur	Berwick	17 R W H
Towle, Ruth Ann	North Danville, N. H.	M H
Townsend, Drusilla Irene	Abbot Village	33 R H

Thorpe, Willis Elwood	Sabattus	Sabattus
Turner, Horace Franklin	Montowese, Conn	4 R W H
Waldron, Mary Cook	North Vassalboro	35 R H
Walsh, Walter Harrison	Somersworth, N. H.	17 R W H
Weymouth, Frederick R.	Troy	40 S H
Webber, Lenora Goldie	York Village	34 Union Street, Auburn
Whipple, Ralph Clarence	Gonic, N. H.	29 P H
Whittier, Elizabeth Marian	Gorham	34 R H
Wright, Mary Payson	Wiscasset	25 R H
Wyman, Gulie Annette	Manchester, N. H.	11 R H

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* Provisional candidates for a degree.

Freshman Class

NAME	RESIDENCE	ROOM
Adams, Enoch Hermon	Belgrade	49 P H
Adams, Frank Clason	Belgrade	49 P H
Aikins, Ellen May	South Windham	16 Frye Street
*Allen, Charles Frederic	New Haven, Conn.	9 R W H
Allen, Samuel Leone	Fairfield	26 P H
Alley, Jessie Winnefred	Auburn	83 Gamage Ave., Auburn
Astle, Amelia Maude	Houlton	M H
Atkinson, June	Brunswick	W H
Audley, May Elisabeth	Gorham, N. H.	13 Cottage Street
Bachelder, Eugene Earle	Gardiner	12 R W H
Barron, George Harris	Lewiston	134 Wood Street
Barrows, Marjorie Augusta	Sangerville	87 Wood Street
Bartlett, George Maynard	Lewiston	100 Elm Street
Beard, George Homer	Stafford, Conn.	43 P H
Beek, Charles Herbert	Calais	35 R W H
*Bickford, Harry Melvin	Carmel	133 College Street

Blaisdell, Leo Wasgatt	East Franklin	10 Frye Street
Blanchard, Vaughn Seavy	Manchester, N. H.	42 P H
Bly, Carlton	Manchester, N. H.	3 Warren Avenue
Bowman, Vivian Beatrice	Hatfield, Mass.	W H
*Brackett, Vernon Kilby	Milbridge	51 P H
Bridgham, Zela Mae	Auburn	15 Forest Avenue, Auburn
Brunner, George Edward	Plainville, Mass.	36 R W H
Brunquist, Ernest Herman	Attleboro, Mass.	36 R W H
Buck, Albert Whitehouse	Orland	51 P H
Burdick, Roy Mason	Dexter	P H
Campbell, Elizabeth Mason	Westbrook	M H
Cave, Gordon Luther	Rochester, N. H.	18 Frye Street
Chamberlain, Ross Parker	Pittsfield	146 Wood Street
Chandler, Eleanor Hope	Presque Isle	M H
Chatto, Clarence Irving	Sargentville	237 Oak Street
Chesley, Clair Vincent	Auburn	254 Turner Street, Auburn
Clarke, Zoa Emily	Newcastle	W H
Clement, Ray Allan	Derry Village, N. H.	16 Frye Street
Cowan, Walter Albion	Pittsfield	P H
Currier, Robert Henry	Whitefield, N. H	34 S H

Davis, Hubert Paul	Lewiston	8 Parker Avenue
Davis, Wayne Edward	Rochester, N. H.	173 Wood Street
DeCoster, Cleora Matenah	Buckfield	W H
Deering, Helen Isabel	East Denmark	377 Main Street
Demuth, Herbert Emil	Lisbon Falls	24 R W H
Dexter, Burt Lee	Whitefield, N. H.	86 Nichols Street
Dow, Charles Whitfield	Caribou	29 R W H
Downing, Ethel Elizabeth	Auburn	67 Pleasant Street, Auburn
Dunlap, Minerva Francis	Bowdoinham	W H
*Eastman, Moses Gale	Laconia, N. H.	42 P H
Estes, Alice Effie	Auburn	18 Laurel Avenue, Auburn
Farnum, Frank Paine	New Gloucester	29 R W H
Fletcher, Walter Ray	Dryden	70 Elm Street
Ford, Perley Harvey	Kennebunkport	27 R W H
French, Grace Amanda	Turner	W H
Fuller, Edward Hersey	Auburn	9 Maple Street, Auburn
Goss, Marguerite	Lewiston	94 Nichols Street
Goudy, Mildred Irene	South Portland	W H
Gray, Florence	Lewiston	166 Holland Street

Grindle, Wade L.	South Penobscot	237 Oak Street
Ham, Austin Russell	Lewiston	107 Nichols Street
Hodgdon, Fredrika Ernestine Lewis	Portland	44 R H
*Holt, Clifton B.	Lewiston	86 Nichols Street
Howard, Hazel Egeria	Lewiston	80 Walnut Street
Humiston, Ruth Tarbell	East Jaffrey, N. H.	5 R H
Irvine, Iantha	Presque Isle	W H
Jecusco, Frederick Paul	Ansonia, Conn.	35 R W H
Jennings, Albert Eaton, Jr.	Auburn	6 Hunton Place, Auburn
Jones, Annabel Mae	South China	M H
Keer, Robert Henry	Berwick	86 Nichols Street
Kincaid, Abigail Margaret	South Portland	41 R H
Kincaid, Isabell Montgomery	South Portland	41 R H
*Knights, Charles Clark	Marshfield Hills, Mass.	44 P H
Lamorey, Jesse James	Manchester, N. H.	3 Warren Avenue
Leavitt, Frank Oliver	Effingham, N. H.	46 P H
Lewis, Flossie May	Biddeford, Me.	597 Main Street
Lovell, William Edwin	West Springfield, Mass.	52 P H

Lowry, Harry Havelock	Providence, R. I.	19 Elm Street, Auburn
McCann, Harriet Lucy	Mechanic Falls	Mechanic Falls
McGraw, Helen Elisabeth	Lewiston	45 Lowell Street
McKenney, Fred Clifton	Turner	38 P H
Macomber, Clarence Alden	Pittsfield	146 Wood Street
Malvey, Patrick John	Lewiston	62 Birch Street
Merrill, Earle Duley	Madison	12 R W H
Merrill, Susie Lena	Limerick	M H
Meserve, Helen Katherine	Jackson, N. H.	M H
Monk, Guy Maxwell	North Bridgton	113 Holland Street
*Morrison, Arthur Chester	Ashland, N. H.	53 P H
Morse, Mary Chadbourne	Waterford	M H
Neal, Beatrice Evelyn	Auburn	45 Jefferson Street, Auburn
Nevers, Frank Alexander	Houlton, Me.	53 P H
Nichols, Herbert Leon	South Framingham, Mass.	P H
Norris, Richard Henry	Litchfield	39 P H
Noyes, Wilhelmina Irene	Auburn	9 Vernon Street, Auburn
Parker, Marion Carleton	Franklin, N. H.	W H
Pheney, Gerald Patrick	Lewiston	28 Water Street
Phinney, Willard Herbert	Dennysville	P H

*Pike, Dean Sherman	Canaan, N. H.	17 R W H
Pingree, Mary	Falmouth, Mass.	32 R H
Purington, Clara May	West Bowdoin	W H
Rand, Albert Ayer	Bradford, Mass.	28 Frye Street
Redman, Mary Evangeline	Newport	M H
Remmert, William Frederick	Stafford, Conn.	43 P H
Richards, Alice Helen	East Livermore, Maine	C H
Rideout, Florence Annie	Norway	M H
Ring, Christina Isabell	Auburn	14 Barker Street, Auburn
Robinson, Melissa Flora	Dover	W H
*Roseland, Harold Tribou	Unity	145 Gamage Ave., Auburn
Ross, Bernard	Lisbon	Lisbon
Rounds, Ada Rosenburg	Mechanic Falls	W H
Rouse, Ethelyn Daisy	Washburn	M H
Rowe, Harry Willison	Pittsfield, Maine	146 Wood Street
Sawtelle, Verna Maritta	Auburn	25 Highland Ave., Auburn
Schultz, William Herman Jr.	Lisbon Falls	Lisbon Falls
Seavey, Ernest Nathaniel	Newton Jct., N. H.	46 P H
Smith, Angie	Woodbury, Conn.	W H
*Smith, Leonard Seymour	Shelburne Falls, Mass.	70 Elm Street

Spiller, Roxanna Elizabeth	East Barrington, N. H.	425 Main Street
Stanhope, Charles Nason	Foxcroft	173 Wood Street
Staples, Russell James	Lewiston	16 Wood Street
Stearns, Josephine Barker	Norway	M H
*Stevens, Lewis Smith	Turner Center	27 P H
Stone, Chester Hannibal John Lorenzo	Melrose, Mass.	254 Turner Street, Auburn
Sweetser, Mary Ruth	Auburn	32 R H
Thomas, Walter Elwin	Lewiston	137 Nichols Street
*Thurlow, Norman Charles	Burnham	
Tubbs, Margaret Thurston	Lewiston	129 Wood Street
Tucker, John Richard	Litchfield	46 P H
Turgeon, Frances Lunette	Lewiston	139 Horton Street
Turner, Clair Elsmere	Harmony	133 College Street
Tuttle, Roy Melvin	Freeport	14 R W H
Twombly, Belle Louise	Reed's Ferry	W H
Vaughan, Joseph Dyer	Norridgewock	149 Wood Street
*Vaughan, Wilder Leroy	Corinna	107 Nichols Street
Webb, Josephine Deering	Portland	M H
Welch, Howard Abner	North Attleboro, Mass.	27 R W H

Whitman, Wheatie Clare	Lewiston	95 College Street
Whitney, Albert Newell	Gray	R W H
Wittekind, Arthur	Wakefield, Mass.	47 P H
Woodbury, Eugene Sawyer	Patten	327 Main Street
Yeaton, Paul M.	Belgrade	49 P H

*Provisional candidates for a degree.

Special Course

Allard, Harry Grover	Litchfield	43 P H
Andrews, Arthur B.	Auburn	32 High Street, Auburn
Beckwith, Truman, Jr.	Providence, R. I.	18 Frye Street
Breen, Thomas Joseph	Lewiston	69 Summer Street
Cash, Leon Eugene	Oxford	44 P H
Conklin, George F. Jr.	Boston, Mass.	14 R W H
De Lano, Harry Cook	Oxford	P H
Hebbard, Clyde	South Paris	45 P H
Lawless, William J.	Auburn	54 P H
Linehan, Joseph Aloysius	Auburn	77 Second Street, Auburn
Loveland, Francis	New Haven, Conn.	P H
Palmer, John William	Richmond	9 R W H

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H H—Hathorn Hall.
R W H—Roger Williams Hall.
P H—Parker Hall.
S H—Science Hall.
R H—Rand Hall.
C H—Cheney House.
M H—Milliken House.
W H—Whittier House.

Graduates of 1908

Annis, Lillian Mae
Anthony, Elisabeth Williams
Bangs, Archie Roy
Beals, Estella Maude
Blackstone, Ervette Elaine
Blanchard, Elsie
Bliss, Mary Frances
Bonney, Carolyne Emma
Bool, Phebe Rosa
Bradbury, Linnie Fabyan
Bradford, Ethel Ardelia
Bradford, Maude Minerva
Bridges, Thomas Sheridan
Brown, Maurice Vivian
Burke, Mary Cecilia
Burnell, Floyd Willis
Campbell, Percy Cheney
Carver, John Small
Cate, Thomas Jefferson
Clifford, Marguerite Abbott
Clifford, Wallace Alton
Coombs, Robert Leland
Corson, David Herman
Crawshaw, Annie
Cummings, Ruth Joy
Dexter, Marion Russ
Dinsmore, Alice Jane
Doe, George Arthur
Dolloff, Cyrus Wilfred
Donovan, Joseph Aloysius
Ellsworth, Edward William
Faulkner, James Francis
Ferguson, Marion Gladys
Foster, Mabel Winifred
Fraser, Le Roy Boynton
French, George Washington
Goodwin, Harold Merle
Goodwin, Ralph Augustus
Grant, Mabel Pearl
Grant, Sadie Little
Harkins, John Michael
Harris, Arthur Louis
Haynes, Guy Coldwell
Hincks, Sue Lynnette
Hull, Ira Butler
Hutchinson, Ethel Louise
Jones, Lina Gertrude
Jordan, James Leland
Kenney, Charles Edmund
Knight, Marion Frances
Knox, Helen Josephine
Larrabee, William Mumford
Lewis, Bertha Erma
Libby, Grace Lillian
Libby, Walter Emery
Little, Katherine Gilman
McCool, Herbert Gilmore
McCullough, Joseph Leo

McLain, Frances May
Melcher, Evelyn Geneva
Merrill, George Elwin
Merrill, Lena Sarah
Murphy, Julia Louise
Noble, Fred Robert
Packard, Ellen Hersey
Page, Stella Eliza
Peasley, Arthur Newell
Pingree, Harold Bearce
Pratt, Charles Harvey
Pushor, Wynona Captola
Rand, Harriet Clark
Sands, Eleanor Pepper
Sawyer, Herbert Leslie
Schermerhorn, Mabel Linda
Shorey, Izora Devereaux
Smith, Winslow Garfield
Sprague, Ruth Ardelle
Stevens, Neil Everett
Stevens, Roy Foster
Sweetland, William Virgil
Thomas, Stella Luetta
Tuttle, Guy
Wentworth, Eva Celia
Wheaton, Clarence Lincoln
Whitman, Burton Herbert
Wilder, Ralph Ayling
Williams, Guy Floyd

Bachelor of Arts degree given out of course to
    Oren Nelson Hilton, Class of 1871
    Chalmers Hill Libbey, Class of 1883
    Mrs. Etta Goodwin Tracy, Class of 1887
    Frances Augusta Wheeler, Class of 1895
    Mrs. Blanche Whittum Roberts, Class of 1899

Master of Arts *pro merito*
    Egbert Atheling Case, Class of 1904

Doctor of Divinity
    Charles Stanton Pendleton, Oneonta, N. Y.
    Zephaniah A. Space, Keuka Park, N. Y.

Doctor of Letters
    William Allen Knight, Allston, Mass.

Doctor of Science
    Fred Eugene Foss, Pittsburg, Pa.

Master of Arts
    Miss Amy Morris Homans, Boston, Mass.

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1909-10

ries, No. 1

Bulletin
of
Bates College

Bates College

1909-1910

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OF THE
UNIVERSITY of ILLINOIS

Lewiston, Maine, December 1, 1909

BATES COLLEGE

LEWISTON MAINE

1909-1910

Lewiston, Maine
The Journal Printshop
1909

CALENDAR-1910

JANUARY.

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Calendar

1909		
Sept. 6, 7	Examinations for Admission to College	Monday and Tuesday, 10 A.M., 2 P.M.
Sept. 8	College Year begins: 8.40 A.M.	Wednesday
Oct. 15	Tuition due	
Oct. 25-Nov. 5	Sophomore Preliminary Public Speaking	2 P.M.
Nov. 13	Prize Division	2 P.M.
Nov. 24	First Term closes	Wednesday
1910		
Jan. 4	Second Term begins: 8.40 A.M.	Tuesday
Jan. 27	Day of Prayer for Colleges	Thursday
Feb. 22	Washington's Birthday	Tuesday
March 1	Tuition due	
Feb. 28-March 11	Freshman Public Speaking	2 P.M.
March 12	Prize Division	2 P.M.
March 17	Senior Exhibition	Thursday, 7.45 P.M.
March 7-19	Sophomore Debates	2 P.M.
March 21-25	Term Examinations	Monday to Friday
March 25	Second Term closes	Friday
April 5	Third Term begins: 8.40 A.M.	Tuesday
May 2	Tuition due	
May 30	Memorial Day	Monday
June 21-25	Examination of the College Classes	Tuesday to Saturday
June 26	Baccalaureate Exercises	Sunday, 3.00 P.M.
June 27-28	Examinations for Admission to College	
June 27	Junior Exhibition	Monday, 7.45 P.M.
June 28	Annual Meeting of the Corporation	Tuesday, 9 A.M.
June 28	Class Day Exercises	Tuesday, 2.30 P.M.
June 28	Annual Meeting of the Alumni	Tuesday, 4 P.M.
June 28	Concert	Tuesday, 7.45 P.M.
June 29	Commencement	Wednesday, 10 A.M.
June 29	President's Reception to the Graduates	Wednesday, 8 P.M.
Sept. 19-20	Examinations for Admission to College	Monday and Tuesday, 10 A.M., 2 P.M.
Sept. 21	College Year begins: 8.40 A.M.	Wednesday
Nov. 1	Tuition due	
Nov. 7-18	Sophomore Preliminary Public Speaking	2 P.M.
Nov. 19	Prize Division	2 P.M.
Dec. 16	Christmas Vacation begins: 4.30 P.M.	Friday

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1909-10

General Information

FOUNDATION

Bates College grew out of the Maine State Seminary, chartered in 1855. In 1862 sixteen young men in this school petitioned the Trustees to provide facilities for collegiate instruction. In the fall of 1863 the first Freshman class was admitted, and in the winter of 1864 a new charter was secured, and Maine State Seminary became Bates College. The name Bates College was given by the Trustees in grateful acknowledgment of the generosity of Mr. Benjamin E. Bates of Boston, Mass., one of the founders of the city of Lewiston. Mr. Bates had taken a warm interest in the Seminary, and it was his encouragement, with a subscription in 1863 of $25,000, which led to its development into the College. To this sum he subsequently added $75,000. Mr. Bates died in 1877. Other friends have generously aided the institution, but none of their benefactions have equalled in amount the gifts of Mr. Bates.

Lewiston, in which the College is situated, is the second city in population in Maine, having about twenty-eight thousand inhabitants. It is on the east bank of the Androscoggin, thirty-five miles northeast of Portland. It is connected by four bridges with Auburn, a city with fourteen thousand inhabitants, on the opposite bank of the river. The two cities are among the most enterprising and progressive in the East. Many of their public buildings are exceptionally beautiful and substantial. Their excellent public schools are constantly bringing to the two cities from all parts of Maine, and even from adjoining states, parents eager to secure a good education for their children. The Lewiston High School and the Edward Little High School, of Auburn, rank among the best preparatory schools in New England. The pulpits of Lewiston and Auburn are occupied by able and scholarly men, and residents of few towns have better facilities for hearing the representative lecturers and orators of our country. The two cities are remarkably healthful, are situated amid some of the most beautiful scenery of the Androscoggin valley, and combine in a rare degree the educational influences afforded by the presence of business energy, of scholarly leisure, and of attractive environments. They are a little more than four hours distant from Boston, and are accessible from all directions by means of four railways—the Grand Trunk, the Portland and Rumford Falls, and two lines of the Maine Central. The College grounds consist of fifty acres in the suburbs of Lewiston. They have great natural beauty and command fine views of the surrounding country. From the summit of Mount David, given by Mrs. Archibald Wakefield and the late Mrs. John M. Frye, as the site for an astronomical observatory, the White Mountains, more than fifty miles away, are distinctly visible.

CHARACTER OF THE COLLEGE

The college is unsectarian in all its aims and methods, but it is unequivocally Christian. Breadth and thoroughness are sought, not only in literary and scientific attainments, but in moral and spiritual culture. What are called the vices of student life are practically unknown at Bates. No student can be a member of the College without taking and keeping a pledge to abstain from alcoholic drinks. Hazing has never been tolerated. A large percentage of the students are actively religious, and among them are represented nearly all the religious denominations of New England. It has been the constant aim of the College to encourage and aid students of limited means and to exclude such habits and customs as lead to extravagant and unnecessary expenditures. Planted in a thrifty and frugal community, Bates is for a wide area the natural College home for students of limited means. The community, with its numerous industries, offers unusual opportunities for work; and College spirit and tradition make labor honorable. The Faculty of Bates find one of their highest pleasures in helping young men and young women to solve the problem of ways and means. Alone of New England colleges, Bates still encourages needy students to teach during a part of each year; and she does not find such teaching, under proper restrictions, harmful either to scholarship or to character. Every year Bates students are engaged in more than sixty different kinds of employment. Ninety-three permanent scholarships, of $1,000 each, pay the annual tuition of as many deserving young men and young women. Students of ample, of moderate, and of limited, means live and work together in absolute social equality. From its organization in 1863, the College has received young women on the same terms with young men, thus beginning on the Atlantic seaboard the movement for the higher education of women.

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Entrance Examinations

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Registration

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F. A. KNAPP
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151 Wood Street

Terms of Admission

All candidates for admission to the College must offer satisfactory testimonials of good moral character; and those who have been members of other colleges must present certificates of regular dismission.

The requirements in particular subjects are as follows:

LATIN

I. Elementary Latin.

The examination will be adapted to the proficiency of those who have studied Latin in a systematic course of five exercises a week for at least three years.

The reading in preparation for Elementary Latin should include any four books of Cæsar's Gallic War, preferably the first four; Cicero's four Orations against Catiline, the Oration for Archias, and the Manilian Law.

Careful attention should be given from the beginning to the correct pronunciation of Latin words according to the Roman Method; to the inflections; to the syntax of cases; to the structure of sentences, with particular regard to relative and conditional sentences, indirect discourse, and the subjunctive; and to Latin prose composition. The examination will include the following:

1. The translation at sight of passages of Latin prose.

2. A thorough examination on Cicero's Orations against Catiline, II, III, IV, directed to testing the candidate's mastery of the ordinary forms, constructions, and idioms of the language.

II. Advanced Latin.

In addition to the preparation mentioned above for Elementary Latin, the candidate should read at least the first six books of Vergil's Æneid. He should acquire a knowledge of as much Prosody as relates to accent, versification in general, and the dactylic hexameter. It is believed that the study of Vergil for one year with five exercises a week will give the required proficiency. The examination will include the following:

1. The translation at sight of passages of Latin prose and verse.

2. A thorough examination on Vergil's Æneid, I and II, directed to testing the candidate's mastery of the ordinary forms, constructions, idioms, and prosody.

3. The translation into Latin of detached sentences and easy narrative based upon Cæsar and Cicero.

GREEK

I. Elementary Greek.

Candidates presenting this subject should be able to translate at sight simple Attic prose, and should possess a thorough mastery of ordinary Greek inflections, principles of syntax, and idioms, involving the ability to write simple Attic prose. To attain the required proficiency, a student should have studied Greek two years, in a systematic course of five exercises a week, including the reading of four books of Xenophon's Anabasis or an equivalent, thorough study of Grammar, and considerable practice in writing Greek sentences involving ordinary idioms and constructions.

II. Advanced Greek.

Candidates presenting this subject should be able to translate at sight passages from Homer, as well as from

Attic prose, and should be well grounded in the epic dialect, the prosody of Homer and the general features of Homeric life. They should also be able to translate into Attic prose simple English passages of connected narrative. These requirements involve, in addition to the course in Elementary Greek, a third year of study, with exercises five times a week, and necessitate the reading of additional Attic prose and of at least the first three books of the Iliad or an equivalent, and practice in the writing of connected passages of Attic prose.

Students admitted without Greek may begin the study of Greek in the Freshman year and go on to the regular courses in that language.

ENGLISH

Preparation in English has two main objects: (1) command of correct and clear English, spoken and written; (2) power to read with intelligence and appreciation. The attainment of these objects requires a course of study covering at least three years, with five recitation periods each week.

To secure the first end, training in grammar and the simpler principles of rhetoric, and the writing of frequent compositions are essential. The candidate must be able to spell, capitalize, and punctuate correctly. He must show a practical knowledge of the essentials of terminology, inflections, syntax, the use of phrases and clauses; a thorough training in the construction of the sentence; and familiarity with the simpler principles of paragraph division and structure.

To secure the second end, the reading of a certain number of books is prescribed. The list is intended to give the candidate the opportunity of reading, under intelligent direction, a number of important pieces of literature. The prescribed books are divided into two groups as follows:

A

Reading and Practice—The candidate will be required to present evidence of a general knowledge of the subject-matter of the books mentioned and to answer simple questions on the lives of their authors. The examination will usually be the writing of a paragraph or two on each of several topics to be chosen by the candidate from a considerable number set before him in the examination paper. The treatment of these subjects is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified by his instructor, containing composition on other written work done in connection with the reading of these books. The books for this part of the examination will be:

For 1910, 1911.

Group I (two to be selected). Shakespeare's As You Like It, Henry V, Julius Cæsar, The Merchant of Venice, Twelfth Night.

Group II (one to be selected). Bacon's Essays; Bunyan's The Pilgrim's Progress, Part I; The Sir Roger de Coverley Papers in the Spectator; Franklin's Autobiography.

Group III (one to be selected). Chaucer's Prologue; Spenser's Faerie Queene (selections); Pope's The Rape of the Lock; Goldsmith's The Deserted Village; Palgrave's Golden Treasury (first series) Books II. and

III, with especial attention to Dryden, Collins, Gray, Cowper and Burns.

Group IV (two to be selected). Goldsmith's The Vicar of Wakefield; Scott's Ivanhoe; Scott's Quentin Durward; Hawthorne's The House of the Seven Gables; Thackeray's Henry Esmond; Mrs. Gaskell's Cranford; Dickens's A Tale of Two Cities; George Eliot's Silas Marner; Blackmore's Lorna Doone.

Group V (two to be selected). Irving's Sketch Book; Lamb's Essays of Elia; De Quincey's Joan of Arc and The English Mail Coach; Carlyle's Heroes and Hero Worship; Emerson's Essays (Selected); Ruskin's Sesame and Lilies.

Group VI (two to be selected). Coleridge's The Ancient Mariner; Scott's The Lady of the Lake; Byron's Mazeppa and The Prisoner of Chillon; Palgrave's Golden Treasury (First Series) Book IV, with especial attention to Wordsworth, Keats and Shelley; Macaulay's Lays of Ancient Rome; Poe's Poems; Lowell's The Vision of Sir Launfal; Arnold's Sohrab and Rustum; Longfellow's The Courtship of Miles Standish; Tennyson's Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Evelyn Hope, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Hervé Riel, Pheidippides.

For 1912.

Shakespeare's Julius Cæsar and As You Like It; Franklin's Autobiography; Goldsmith's The Deserted Village; Dickens's A Tale of Two Cities; George Eliot's Silas Marner; Irving's Sketch Book; Scott's The Lady of the Lake; Byron's Mazeppa and The Prisoner of Chillon; Macaulay's Lays of Ancient Rome.

B

Study and Practice.—This part of the examination presupposes a careful study of the works named below. The examination will be upon subject-matter, form and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy. The books for this part of the examination will be:

For 1910, 1911, Shakespeare's Macbeth; Milton's Lycidas, Comus, L'Allegro, and Il Penseroso; Burke's Speech on Conciliation with America, or Washington's Farewell Address and Webster's First Bunker Hill Oration; Macaulay's Life of Johnson, or Carlyle's Essay on Burns.

For 1912.

Shakespeare's Macbeth; Milton's Comus, L'Allegro and Il Penseroso; or Tennyson's Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Burke's Speech on Conciliation with America or Washington's Farewell Address and Webster's First Bunker Hill Oration; Macaulay's Life of Johnson or Carlyle's Essay on Burns.

MATHEMATICS

Elementary Mathematics.

(1) Algebra. Through equations of the second degree.

Although candidates are not examined in Arithmetic, a thorough knowledge of its fundamental principles is an essential part of a preparatory course. This subject should not be neglected by candidates.

The required work in Algebra should cover one and a half years of five recitations per week, and includes the following subjects: Factors, fractions, ratio and proportion; negative quantities and interpretation of negative results; a thorough knowledge of radicals and the solution of equations involving radicals, fractional and negative exponents; the binomial theorem for positive integral exponents; extraction of roots; the solution of equations with one or more unknowns, whether of the first or second degree, and with literal as well as numerical coefficients, and of problems leading to such equations; arithmetical and geometrical progression.

It is recommended that the student familiarize himself with the solution of simultaneous equations of two or three unknowns, that he be able to solve quadratics at sight, either by factorization or by formula, and that he learn to draw the graphs of linear and quadratic equations of two unknowns.

(2) Plane Geometry. The required work in plane geometry should extend throughout one year of five recitations per week.

The theorems and constructions as found in good text-books: The properties of plane rectilinear figures; the circle, and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle. A large part of the time should be given to original demonstrations of exercises, and this should be insisted upon as a part of the required work in the course.

ADVANCED MATHEMATICS.

(1) Algebra, including choice, chance, theory of limits, the binomial theorem for negative and fractional exponents, logarithms, series, determinants, graphs, derivatives, and the theory of equations.

(2) Solid Geometry, as represented by the ordinary college text-books. Candidates should be able to solve readily problems of solid mensuration and to demonstrate original theorems that may be deduced easily from the text.

(3) Plane Trigonometry, as represented by the usual text-books. Candidates must be familiar with the theory and use of six-place logarithmic tables.

FRENCH

Elementary French.

The work to be done during the first year should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plurals of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing French from dictation.

During the second year, the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, of pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and the subjunctive.

Suitable texts for the second year are: About's "Le roi des montagnes," Bruno's "Le tour de la France," Daudet's easier short tales, La Bédollière's "La Mère Michel et son chat," Erckmann-Chatrian's stories, Foa's "Contes biographiques" and "Le petit Robinson de Paris," Foncin's "Le pays de France," Labiche and Martin's "La poudre aux yeux" and "Le voyage de M. Perichon," Legouvé and Labiche's "La cigale chez les fourmis," Malot's "Sans famille," Mariet's "La tâche du petit Pierre," Mérimee's "Colomba," extracts from Michelet, Sarcey's "Le siége de Paris," Verne's stories.

ADVANCED FRENCH.

During the third year the work should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

Suitable texts are: About's stories, Augier and Sandeau's "Le gendre de M. Poirier," "Béranger's poems," Daudet's "La Belle-Nivernaise," Corneille's "Le Cid" and "Horace," Coppée's poems, Le Brète's "Mon oncle et mon curé," Madame de Sévigné's letters, Hugo's

"Hernani" and "La Chute," Labiche's plays, Loti's "Pêcheur d'Islande," Mignet's historical writings, Molière's "L'Avare," and "Le Bourgeois Gentilhomme," Racine's "Athalie," "Andromaque" and "Esther," George Sand's plays and stories, Sandeau's "Mademoiselle de la Seiglière, Scribe's plays, Thierry's "Recits des temps mérovingiens," Thier's "L'expédition de Bonaparte en Egypte," Vigny's "La canne de jonc," Voltaire's historical writings.

GERMAN

Elementary German.

1. Proficiency in elementary German grammar, implying familiarity with the following topics: declension of nouns, adjectives and pronouns, conjugation of weak verbs and the more common strong verbs; the prepositions; the simpler uses of the modal auxiliaries; the simpler rules of syntax and of word order.

2. Ability to pronounce German correctly. Imitation of the teacher's pronunciation will be the chief factor in acquiring this.

3. Ability to translate a passage of simple prose at sight. From 150 pages to 200 pages should be read concurrently with the grammar work, chiefly narrative prose with some short lyric poems. Storm's Immensee, Zschokke's Der Zerbrochene Krug, Gerstäcker's Germelshausen, and similar pieces are recommended.

4. Ability to translate into German easy sentences based upon works read.

Advanced German.

In addition to the elementary requirements:

1. Ability to translate at sight ordinary German into good English, such as may be gained by the reading of not

less than five hundred pages of classical and contemporary prose and verse selected from such works as Lessing's Minna von Barnhelm; Schiller's Wilhelm Tell, Maria Stuart, Jungfrau von Orleans, and Gedichte; Heine's Reisebilder and Gedichte; Freytag's Die Journalisten and Bilder aus der Vergangenheit; Scheffel's Trompeter von Säkkingen; Uhland's Gedichte; Hoffmann's Historische Erzählungen; Meyer's Gustav-Adolf's Page; Riehl's Novellen.

2. Ability to discuss the main facts in the life of each author studied and to discuss the characters in the dramas selected.

3. Ability to read every text intelligently in the original. Constant oral practice in the class-room is recommended.

4. A knowledge of the elements of word-formation and of the pricipal uses of prepositions, conjuctions, modal auxiliaries, the subjunctive mode and the infinitive.

CHEMISTRY

The examination in this subject implies an acquaintance by recitation and laboratory work with elementary processes and with the properties of common chemical substances; also a familiarity with the chemical notation in its arithmetical meaning, including the ability to solve simple problems based on the relations expressed by formulas and equations.

The requirements in this subject include the study of both metals and non-metals, and may be met by the use of any good Elementary text-book and laboratory manual.

PHYSICS

The student must present satisfactory evidence that he has completed a year's work in Physics consisting of two recitations per week in a first-class text-book (Carhart & Chutes preferred) and one two-hour laboratory period. A certified note-book must be presented showing the student's *original record* of at least forty experiments.

BIOLOGY

One year's work in Biology may be offered for two points in the preparatory course. The year's work should be equivalent to at least one hundred one hour exercises, consisting of at least one-half laboratory work. The note-book records of laboratory work, certified by the instructor, will be required. The course may consist of one year's work in Zoölogy, or one year's work in Botany, or one-half year's work in each.

It is desirable that considerable field work be done; that the animals and plants be studied in their natural environment. A large amount of data, obtained through accurate observation out-of-doors, forms the best foundation for the work to be accomplished in the laboratory and recitation room.

It is more important that a relatively small amount of laboratory work be carefully and thoroughly accomplished by proper laboratory methods, than that a large amount of ground be covered in a superficial and unscientific manner.

For a year's work in Zoölogy, the following texts—supplemented with such laboratory work as time and text would require—are approved: General Zoölogy, by Linville and Kelley; Zoölogy, Descriptive and Practical, by Colton; Introduction to Zoölogy, by Davenport.

For one-half year's course in Zoölogy: Animal Life, by Jordan and Kellogg; Animal Forms, by Jordan and Heath; Practical Zoölogy, by Davison.

For a year's course in Botany: Plants, by Coulter; Elements of Botany, by Bergen; Introduction to Botany, by Stevens.

For a one-half year's course in Botany: such parts—selected by instructor—of one of the above texts, as can be properly handled in the time.

HISTORY

Ancient History.

a. Roman History to the end of the reign of Marcus Aurelius, with due reference to literature and government. *b.* Greek History to the death of Alexander, with due reference to Greek life, literature and art.

English and American History.

a. English History, with due reference to social and political development. *b.* American History with the elements of civil government.

ADMISSION GROUPS

To show clearly the requirements for admission, the following grouping of the preceding subjects is made. Candidates for admission to the Freshman Class in any course must show adequate preparation in all the subjects of Group I and in enough of Group II to make a total of 28 points. To count 2 points a subject must be pursued for one school year with five recitation periods per week.

GROUP I

English, A and B, (3 years)	6	points
Latin, Elementary and Advanced	8	“
Algebra	3	“
Plane Geometry	2	“

GROUP II

Elementary Greek	4	points
Advanced Greek	2	"
Elementary French	4	"
Advanced French	2	"
Elementary German	4	"
Advanced German	2	"
*Chemistry	2	"
*Physics	2	"
*Biology	2	"
Advanced Algebra	1	"
Solid Geometry	1	"
Plane Trigonometry	1	"
Roman History	1	"
Greek History	1	"
American History	1	"
English History	1	"

Candidates for the degree of Bachelor of Arts must present in addition to Group I a selection of subjects from Group II aggregating nine units according to the valuation there indicated. This selection must include Greek and Roman History, and either Elementary and Advanced Greek, or Elementary French or German.

Candidates for the degree of Bachelor of Science must present in addition to Group I a selection from Group II aggregating nine units. This selection must include English and American History, Solid Geometry and Elementary French or German.

Applicants for admission that have not had the requirements in Latin, but have had work aggregating

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*The work in the Sciences must include certified notebooks exhibiting the results of experimental work performed by the students.

at least twenty-eight points as indicated in the Admission Groups, may be received as candidates for the Bachelors' degrees; such students, however, will be required to carry on the study of Latin in college until all the requirements of the college, both for admission and for Freshmen, shall have been completed. Courses calculated to aid in securing these results may be found on page 64.

Graduates of preparatory schools whose methods and courses of study are approved by the Faculty of the College may be admitted provisionally, upon the certificates of the principals of such schools. The certificates must clearly show that the amount and quality of the work done by those who present them are equivalent to the published requirements of the college. At the close of the first term all who have done scholarly work and maintained satisfactory deportment will be admitted to full standing.

All candidates for advanced standing not presenting certificates from other colleges will be examined in the preparatory studies, and also those previously pursued by the class they propose to enter, or in other studies equivalent to them.

Students of good character who are prepared to do college work, may be admitted to special courses under the direction of the Committee on Registration. All students who can do so are advised to matriculate for a degree, and no one will be allowed to use the privilege here offered for the purpose of securing a merely nominal connection with the college. Special students are subject to the same regulations regarding attendance and examinations as candidates for degrees, and must take fifteen hours of class-room work per week.

The regular examinations for admission to college begin on Monday preceding Commencement, and on Monday preceding the first day of the Fall term, at 10 o'clock A.M., in Room No. 5, Hathorn Hall. Arrangements may be made for taking examinations at the student's own school on the third Monday preceding Commencement.

Courses of Instruction

Most of the work of the Freshman year is required. Electives are introduced in the Sophomore year and are increased in number as the course goes on. The essentials of a liberal education are constantly kept in view and the attainment of knowledge is made tributary to the love of study, the habit of investigation, and the tastes and aptitudes of the scholar. The individuality of students is recognized and encouraged without the sacrifice of breadth and thoroughness. Class-room work is supplemented by original observation and research and by a systematic use of the College Library.

While in every department the cultural aim is held constant and controlling, the culture sought is of the kind that pays tribute to life. While not mistaking itself for a professional school or a technical school, the College seeks to make all its instruction practical. Each teacher remembers that forty-three out of every hundred of Bates graduates become educators, and strives to exemplify the best Pedagogy. In addition, the College gives four definite courses in Education which, while thoroughly cultural, ensure to those pursuing them a teacher's certificate of the first class from State Boards of Education. In like manner, the courses in Elocution and in English, especially the courses in Argumentation, prove of great value to graduates who engage in public speaking and, in particular, to those who practice Law. So, also, the courses in Oriental History and Literature and in Christian Literature and Ethics, while having a choice cultural value, are a substantial aid to students contemplating the Christian Ministry—being accepted as the full equivalent of a year's work in the best Theological Schools. The thorough courses in Chemistry meet the requirements of the best Medical Schools and those in Biology receive equal recognition. The work in Mechanics, in Electricity and Magnetism, and in the Elements of Electrical Engineering, assures to the general student of these subjects an intelligent acquaintance with the great natural forces of the industrial world and enables the prospective engineer to gain, at comparatively slight cost, advanced standing in such schools of applied science as the Massachusetts Institute of Technology.

I. ASTRONOMY

1, 2, 3. General Astronomy.

Courses 1 and 2 constitute a unit and must both be taken to count toward a degree. In course 3 especial attention is given to the needs of Secondary School teachers of Astronomy.

Three hours. Through the year. Elective for Seniors.

II. BIBLICAL LITERATURE

Instruction in the languages, literature, and history of the Bible is designed to promote the general culture of all students, and to those who have the ministry or other forms of Christian service in view, it offers special professional training, and may save at least a year's time in the theological seminary.

The courses in Oriental History and the History of Religion are described in this connection, since they are of special importance to students pursuing biblical and religious subjects. The electives in Oriental History are so related to the courses in the department of History that a student may gain, during the last three years in college, a fairly complete survey of human history.

The Hebrew language, elective for Juniors and Seniors, is intended for students preparing for the Christian ministry, or religious teaching, and for any others who desire an acquaintance with the elements of the Semitic languages.

CHRISTIAN LITERATURE

1. An Outline of Christian Literature. This course considers briefly the following themes: the literary arrangement of the New Testament; vicissitudes through which Christian writings have passed; elements of interest and power in the separate books, and dominant characteristics of each.

One hour. Third term. Elective for Freshmen.

2. The History of Texts. (a) The History of the English Bible. This course traces the latest version of the English Bible back through the intermediate stages to the earliest version, with attention to contemporary events and movements which constitute the background against which the versions were projected.

(b) New Testament Texts, Their Preservation and Restoration. The class will trace the history of the Greek text, noting the kinds and character of New Testament manuscripts, and the development of the principles of textual criticism.

Three hours. First term. Elective for Sophomores.

3. An Introduction to the Books of the New Testament.—This is an outline course in the history and meaning of the several books of the New Testament.

Three hours. Second Term. Elective for Sophomores.

4. New Testament Interpretation.

(a) The Epistle to the Hebrews. The epistle will be read and interpreted in the Greek.

(b) The Book of Revelation. This course will undertake to discover a rational interpretation of the allegories of the Apocalypse. The Greek text will be read.

Three hours. Third term. Elective for Sophomores.

5. The Acts of the Apostles. The class will investigate the beginnings of Christian history, and the circumstances attending the formation and development of the church with appreciative reference to the lives of the first Christian leaders.

Three hours. First term. Elective for Juniors.

6. The Life of Paul, the Apostle. Investigations will be made with reference to the parentage, birth, education, training, conversion, missionary journeys, preaching and achievements of Paul.

Three hours. Second term. Elective for Juniors.

7. The Pauline Literature. The epistles of Paul will be studied, each in its own historical setting, with attention to date, occasion and place of composition, persons addressed, purpose and contents.

Three hours. Third term. Elective for Juniors.

8. The Gospel Narrative. One of the Gospels is read critically in the Greek for training in exegetical methods and spirit. Problems in geography, chronology, history, interpretation and criticism are discussed.

Three hours. First term. Elective for Seniors.

9. An Outline of the Life of Jesus. The four Gospels are brought into comparison, and a harmony constructed. Reference is made to the history of the times of Jesus, the contemporary literature, customs, dogmas and expectations of the Jews.

Three hours. Second term. Elective for Seniors.

10. The Teaching of Jesus. From the Gospels and all available sources the elements of Jesus' message to men are sought, what he taught respecting God, respecting himself, respecting man and his destiny, respecting human society and social obligations.

Three hours. Third Term. Elective for Seniors.

HEBREW AND ORIENTAL LITERATURE

1. Literary Study of the Old Testament. After introductory lectures on the influence of the Bible on civilization and on English literature a study will be made of the variety of forms in which the thought of the Old Testament is expressed; main thoughts of the successive books, and the noteworthy literary features of each book; examination in detail of a few biblical masterpieces. Moulton's Modern Reader's Bible will be used as the text-book.

Three hours. Third term. Elective for Freshmen.

2. The Beginnings of Civilization. This course makes use of the monuments of Egypt and Babylonia, which throw light on the earliest civilizations. An investigation of the important events and movements in the ancient east from Menes to Moses; study of a few great epochs with respect to the classes of society, government, family life, art, literature, and religion. Students are required to use a large number of books, and are taught to base their work as far as possible on the original sources.

Three hours. First term. Elective for Sophomores.

3. The History of Israel. Investigation of the beginnings of the history of this remarkable people in the light of modern discoveries in surrounding nations; the

growth of institutions in the time of Saul, David, and Solomon; the Divided Kingdom, and its relations with Egypt and Babylonia; the Babylonian, Persian, Greek, and Roman periods. This is essentially a continuation of Course 2 and affords an opportunity for studying the main lines of political and social development in the ancient East from the time of Moses to Christ.

Three hours. Second term. Elective for Sophomores.

4. The Beginnings of Christianity. This course views Christianity, in one aspect, as a culmination of all the preceding stages of Semitic culture, and is thus a continuation in part of courses 2 and 3. The historical significance of Christianity in relation to the modern as well as to the ancient world; the preparation in the Hebrew and other oriental religions and in Greek philosophy; the great Christian leaders; the extension through the Empire; the beginnings of Christian literature, and institutions; the victory of Christianity under Constantine.

Three hours. Third term. Elective for Sophomores.

5. The Prophets. A study of the Prophets of Israel, in the English Bible, from four points of view; biographical, literary, social, religious. The origin of the prophetic religion; its development from Moses to Amos; thorough study of Amos, Hosea, Isaiah, and Micah; outline consideration of the remaining prophecies; the contribution of the prophets to modern civilization.

Three hours. First term. Elective for Juniors.

6. The Wisdom Literature of the Old Testament. An extended study of the Book of Job for its literature and its philosophy of life, and an introduction to the other Wisdom books of the Hebrews. Mission of the Wise men; the proverbs of Israel and other nations; the Song of Songs; two apocryphal books by Wise men, and their

relation to the biblical books; Ecclesiastes and its scepticism; parallels to Job and Ecclesiastes in other literatures.

Three hours. Second term. Elective for Juniors.

7. The Psalms. The literary structure of the Psalms, and their historical setting; interpretation of the most important Psalms in the light of their form and origin; classification of Psalms; religious teachings; the Psalms in human life.

Three hours. Third term. Elective for Juniors.

8. Introduction to the Study of Religions. A consideration of the influence of religion in human history; methods of classifying the religions of the world; definitions of religion; theories of the origin of religion; the phenomena of the lower religions, as those of China and Japan, or Greece and Rome, or the Germanic and Celtic nations.

Three hours. First Term. Elective for Seniors.

9. History of Religions. An outline study of some of the great religions of the world, including Buddhism, Zoroastrianism, Judaism, Mohammedanism, and Christianity. Their chief doctrines and ceremonies; the important periods in their history; their influence on one another.

Three hours. Second term. Elective for Seniors.

10. Hebrew Language. The elements of the language, and reading of parts of the Hebrew text of the Old Testament. This is intended to be an equivalent of the first year's work in Hebrew in the theological school.

Three hours. Throughout the year. Elective for Juniors and Seniors.

III. BIOLOGY

BOTANY

1. Morphology, Physiology, and Ecology of Flowering Plants. The method of instruction in this course is: (1) recitations upon the above subjects, as they are developed by a study of the text-book, by lectures and in laboratory work; (2) laboratory exercises, in which a careful study is made of the morphology of the various parts of the plant body. The seeds, roots, stems, leaves, flowers and fruits are taken up in succession. The structure and relation of these parts to the life processes of the plant are recorded in the laboratory note-book, by means of drawings and descriptive notes. Sufficient time is given to flower analysis so that each student has such practice as will make him familiar with the method of work. Considerable attention is given to field work.

The aim of this course is two-fold: (1) To give the student a general yet comprehensive knowledge of the life processes and structure of the flowering plants; (2) to begin the training which is so essential to all scientific work—that of accurate observation.

Three two-hour periods. Third term. Elective to Freshmen and Sophomores.

[Botany 1 not offered in 1909-10.]

2. Morphology, Ecology and General Classification of the Plant Kingdom.

The work of the course comprises recitations, lectures and laboratory exercises. A study is made of the principles upon which modern classification is based. Type specimens representing the various groups and sub-divisions of the vegetable kingdom are studied with respect to their distinctive characteristics, structure, etc., together with a consideration of the inter-relations of the groups.

In the laboratory the student studies and sketches most of the specimens taken up in recitations.

Field work constitutes an important part of this course. Trips are taken into the surrounding country for the purpose of collecting and studying the plants in their natural environment. This field work is especially helpful in fixing in the student's mind the general classification of the plant kingdom.

It is the aim of the course to give the student a knowledge of what organisms are included in the plant kingdom and how these same organisms are grouped in a general classification.

Three two-hour periods. Third term. Elective for Freshmen and Sophomores.

3. Cryptogamic Botany. This is a laboratory course, combined with some lecture and recitation work. It is mainly a study of the morphology of cryptogamic plants, beginning with the lowest Thallophytes. The work requires the use of the compound microscope quite constantly, and the members of the class obtain thereby a practical knowledge of the simpler manipulations of the microscope and preparations of sections. Each student is required to offer for inspection twenty-five stained and permanent sections. Carefully kept note-books with drawings and descriptive notes are required throughout the course.

The two chief objects of the course are: (1) the acquiring of a knowledge of the morphology of the cryptogams; and (2) accurate observation and correct interpretation of the same.

First term. Three two-hour periods. Elective for Juniors and Seniors.

[Botany 3. Not offered in 1909-1910.]

ZOÖLOGY

1. General Principles of Zoölogy. Instruction in this course is given by recitations. Its aim is to teach the general principles of the subject. The course takes up the history and subdivisions of Zoölogy, the structure, development. and functions of cells, tissues, and organs, general embryology, etc.

First term. Three hours. Elective for Sophomores. Course 1 should be taken by any who contemplate future work in the subject.

2 and 3. Morphology, Ecology, and General Classification of the Animal Kingdom. The work of these courses is carried on by recitations, lectures and laboratory exercises. One of the chief aims of the work is the outlining of the principal groups of the animal kingdom, together with the study of their Ecology and Morphology. The laboratory work is confined to representatives of the chief groups of invertebrates. Typical forms are studied miscroscopically or dissected, and careful drawings with descriptive notes must accompany the laboratory work.

Second and third terms. Three two-hour periods. Elective for Sophomores who have completed course 1.

4, 5 and 6. Comparative Anatomy of Vertebrates. Instruction in this course is given chiefly by laboratory exercises and lectures. Type representatives of the different classes of Vertebrata are very thoroughly dissected and studied in a comparative way, from the lower forms to the higher. All observations and records are kept by means of drawings and notes. The course is intended especially for those who are particularly interested in biological science, or who intend the future study of anatomy and medicine.

Three two-hour laboratory periods and three one-hour lecture periods. Through the year. Elective for Juniors.

7, 8. Microscopic Technique and Histology.

In these courses instruction is given by lectures, recitations and laboratory work. A study is made of the parts and use of the compound microscope, together with laboratory work upon the more essential methods of investigation. This involves practical work upon an invertebrate animal and the different tissues of vertebrates. The student experiments with the important methods of fixing, hardening, staining, dehydrating, clearing, imbedding, sectioning and mounting objects for microscopic study.

Further, the student is introduced to the general subject of animal histology, by a careful study of the above preparations.

Three two-hour periods. First and second terms. Elective for Seniors.

PHYSIOLOGY FOR MEN

1. Physiology and Hygiene. Instruction in this course is given by lectures and recitations. This course is devoted chiefly to Physiology and Hygiene with emphasis placed upon Hygiene. "The Human Mechanism" by Hough and Sedgwick is used as a text. Required of Freshmen who do not offer Greek for entrance. First term. Three hours.

2, 3. Physiology and Anatomy. The work of this course consists of recitations and laboratory exercises.

The laboratory work is outlined after the course of Dr. Darling at Harvard University.

The practical value of the course is greatly augmented through the use of the Bock Stegers anatomical models of the heart, eye, ear, trunk, etc.; also by use of a human skeleton.

Three hours. Second and third terms. Elective for Freshmen who do not offer Greek for entrance and who do not take Mechanical Engineering.

PHYSIOLOGY FOR WOMEN

1. Physiology and Anatomy.

Instruction in this course is given by lectures and recitations. "The Human Mechanism" by Hough and Sedgwick is used as a text-book.

Three hours. First term. Required of Freshmen who do not offer Greek for entrance.

2. Physiology and Hygiene.

This is a continuation of the work in 1 with especial emphasis placed upon practical hygiene. The same text is used—Hough and Sedgwick's "Human Mechanism."

Three hours. Second term. Required of Freshmen who do not offer Greek for entrance.

ORNITHOLOGY

1. Considerable attention is given to the study of Ornithology, apart from that of general zoölogy. In the first term twelve lectures are given to the Freshman Class on the characteristics of birds—peculiarities of physical structure, flight, utility, song, beauty, intelligence, and migration; on the fossil, sub-fossil, and extinct birds, and on classification. The last lecture of the term is devoted to the winter birds of Maine. This lecture is preparatory to the work to be done by the class during the winter. Prizes are given to the members of the class that report the longest list of birds observed and carefully identified between the first of December and middle of

March. Two prizes are also given to the class for the best winter sketches of not more than two thousand words each.

2. In the twelve lectures given in the spring all the species of the inland birds of Maine are described and the mounted specimens are shown to the class. Four times a week, from the last of March to the middle of June, the members of the Freshman class make early morning excursions of one hour and a half to the fields and woods in search of the birds. From 75 to 130 different species are recognized in one year by the careful observers.

IV. CHEMISTRY

Work in this department includes recitations, lectures and laboratory practice, and continues through the Sophomore, Junior, and Senior years. The study begins with lectures and recitations on the non-metallic elements and their compounds. In connection with these subjects the elements of Theoretical Chemistry are taught, and the students are given practice in the solution of a variety of chemical problems.

1. Inorganic Chemistry, the non-metals. This course is devoted to the elementary principles of the science. It deals with the nature and properties of a few common elements and the application of the fundamental laws and theories concerning their combination. Recitations and experimental lectures.

Three hours. Second term.

2. General and Experimental Chemistry. A continuation of Course 1, dealing largely with the metallic elements and including a few of the more common carbon compounds. Recitations and lectures with laboratory work.

Three periods. Third term.

Courses 1 and 2 are elective for Sophomores.

3. Qualitative Analysis. An inductive course of basic analysis, and the preparation of a variety of inorganic salts.

Three exercises (six hours). First term. Elective for all who have taken Courses 1 and 2, or their equivalent.

4. A continuation of Course 3. Acid and blowpipe analysis, and the separation of a large number of mixed compounds.

Three exercises (six hours). Second term. Elective for those who have taken Course 3.

5. Organic Chemistry. An introduction to the study of the compounds of carbon. The methane and benzene series and their derivatives. A lecture and laboratory course.

Three exercises (six hours). Third term. Elective for Juniors.

6. Quantitative Analysis. Laboratory practice in the use of the methods of gravimetric and volumetric analysis; separation and estimation of metals, acids, and water of crystallization.

Three exercises (six hours). First term. Elective for students who have taken Courses 3 and 4.

7. Quantitative Analysis. A continuation of Course 6, with additional work on alloys, ores and some general compounds.

Three exercises (six hours). Second term. Elective for students having the necessary qualifications.

8. Quantitative Analysis. Mineral waters and various complex analyses and their applications.

Three exercises (six hours). Third term. Elective for students who have taken Courses 6 and 7.

9. A lecture and reading course. Historical and theoretical chemistry.

Three hours. First term. Elective for Seniors.

10. General Organic Chemistry. Quantitative work. Lectures and laboratory work on a variety of food products and their common adulterants.

Three exercises (six hours). Second term. Elective for students who have done superior work in the preceding Courses.

11. Physiological Chemistry. Lectures and laboratory work.

Three exercises (six hours). Third term. Elective for Seniors.

The Laboratory exercises of the last two courses are varied according to the tastes and requirements of individual students.

V. ECONOMICS

1. Elementary Economics. A study of the nature and meaning of the principles of Economics and a general survey of such practical economic problems as money, credit and banking, the tariff, monopolies and trusts, the labor problem, etc.

Three hours. Third term. Elective for Juniors.

2, 3. Advanced Economics. These courses comprise a study of (1) Money and Banking—the evolution of money, metallic and paper, currency reform, the principles and the history of banking in the United States, banking problems; (2) Public Finance—public expenditures, revenue and debts, financial organization and administration; (3) Labor Problems—a study of the wage system, profit-sharing, labor co-partnership, trade union policies and methods, industrial arbitration, etc. Prerequisite, course 1.

Three hours. First and second terms. Elective for Seniors.

VI. ENGLISH

1. Composition and Rhetoric. A systematic study of Description: the writing of weekly themes on assigned and elective topics. Baldwin's Specimens of Prose Descriptions furnish models for Composition work. Hill's Foundation of Rhetoric. Constant reading outside of class is required.

Two hours. First term. Required of Freshmen.

2. Composition and Rhetoric. A systematic study of Narration: the writing of one short story each week; the application of Descriptive writing to Narration. Hill's Foundation of Rhetoric. Required reading.

Two hours. Second term. Required of Freshmen.

3. Composition and Rhetoric. A systematic study of Exposition; the application of method and outline to essay, criticism, lecture, address, oration, editorial article and sermon; a careful explanation of the relation of exposition to argumentation. Wooley's Handbook of Composition.

Two hours. Third term. Required of Freshmen.

4. Argumentation. Foster's Argumentation and Debating; brief-drawing; the preparation and delivery of debates. Required reading of masterpieces.

Three hours. First term. Required of Sophomores.

5. Debating. Each member of the class is required to draw up a certain number of briefs; to write from these briefs finished debates; to deliver debates from briefs orally before his class.

Three hours. Second term. Required of Sophomore men; elective for women.

6. American Literature. The historical development of American literature, with a study of selected works, based on the principles of literary criticism. Reports, abstracts and discussion in class.

Three hours. Second term. Required of Sophomore women who do not elect English 5.

NOTE—All written work in courses 1 to 6 is corrected and returned to the writer with criticism and suggestions. Every student is required to meet the instructor at stated hours for conference. Hours are also set apart for voluntary conference.

7. Advanced Composition. Open to Sophomores who have shown excellence in some form of composition. The work is, therefore, adapted to individual needs and ambitions. The composition work is supplemented by a study of the literary principles of criticism as applied both to prose and poetry.

Third term. Three hours.

8. Advanced Argumentation. Open to a limited number of Juniors and Seniors who desire to prepare for intercollegiate debating, and who have shown ability in previous work in Argumentation.

9. Special Composition. Open to Juniors and Seniors who have shown marked ability in English Composition. Seminar three times a term. Work is carefully criticised and reviewed in conference with the student. Runs through college year and counts as course for one term.

10. Public Speaking. Open to Juniors and Seniors who have shown ability in public speaking. Manuscripts come under the supervision of the instructor in English;

training for public presentation under the direction of the instructor in Oratory.

Three hours. Second and third terms.

11. The drama. Lectures on the origin and development of the drama, and its history from Æschylus to Shakespeare. Critical study of selected plays of Shakespeare, with required reading of other works of the Elizabethan age. Outline History of English Literature, one hour each week.

Four hours. First term. Required of Juniors.

12. Literature of the Seventeenth and Eighteenth Centuries. Critical study of selected works of prose and poetry, with lectures on the literary history and biography of the period. Required reading of other works, with research in the Library; reports, abstracts, and discussion in class.

Four hours. Second term. Elective for Juniors.

13. Literature of the Eighteenth and Nineteenth Centuries. Critical study of selected works, with lectures. Required reading of other works, and investigation of special topics.

Four hours. Third term. Elective for Juniors.

14. Lectures on literary criticism, with special reference to fiction. Reading of selected works of the Nineteenth Century. Investigation of topics in literary history and criticism.

Four hours. First term. Elective for Seniors.

15. History of the English Language. (First six weeks.) Critical study of Chaucer; Prologue to The Canterbury Tales, and two of the Tales. Topical study of English history in the time of Chaucer. (Last six weeks.)

Four hours. Second term. Elective for Seniors.

16. English Literature of the Nineteenth Century. Special study of Tennyson and Browning.

Four hours. Third term. Elective for Seniors.

17. Teachers' Course. Designed for those who expect to teach English in secondary schools.

Extra, one hour. Second and third terms.

SOPHOMORE PRIZE DEBATES

Preliminary Debates.—All Sophomores are required to take part in these debates, the subjects of which are announced in the first term of Freshman year. A prize for excellence in debate is awarded in each division of the class.

Second term.

Champion Prize Debate.—The speakers presenting the best arguments in the Preliminary Debates compete in the Champion Prize Debate, held during Commencement week; all other Sophomores present Essays on a prescribed subject, in competition for a prize.

Third term.

REQUIRED COMPOSITION WORK OF JUNIOR AND SENIOR YEARS

This work, in continuation of that done in courses 1 to 5, is required of all members of the Junior and Senior classes, whether they elect English or not. An essay is presented in each term as follows:

11^1. Essays based on the study of masterpieces of Exposition or Persuasion.

Junior year, first term.

12^1. Theses on subjects requiring extended investigation.

Junior year, second term.

13[1]. Original declamations on assigned subjects. Each member of the Class reads his declamation before a committee, by whom the best twelve are selected for delivery in a prize contest during Commencement week.

Junior year, third term.

14[1]. Essays in criticism of some classic in English or American fiction.

Senior year, first term.

15[1]. Original Parts for the Senior Exhibition. Each student reads his part before a committee, who choose twelve to speak in the Exhibition.

Senior year, second term.

16[1]. Commencement Parts. Every member of the class writes a part, but the Commencement speakers are chosen on the basis of scholarship.

Senior year, third term.

VII. FRENCH

1, 2, 3. Elementary Course.

French Prose and Composition.

Three hours. Through the year.

Required of Freshmen who do not present French for admission.

1a, 2a, 3a. Intermediate Course.

French reading, translation, grammar and composition.

Three hours. Through the year.

Elective for students who have had one year's preparation in French.

1b, 2b, 3b. Advanced Course.

French Prose and Poetry—Corneille; Racine; Molière; Victor Hugo; George Sand; Alfred de Musset; Rostand.

Three hours. Through the year.

Elective for students who have passed in Course 1a, 2a, 3a, or to those who have presented two years of French for admission.

[4, 5, 6. French Composition (elementary, intermediate and advanced).

Three hours. Through the year. Offered in alternate years. Not offered in 1909-10.]

This course is conducted in French, and is elective for students who have a good reading knowledge of French and have had some practice in hearing it.

7, 8, 9. General View of French Literature.

Lectures, translations, themes, collateral reading, and written tests.

Three hours. Through the year. Offered in alternate years. Offered in 1909-10. Elective for students who have passed in Course 1a, 2a, 3a, with the grade of *A*, or in Course 1b, 2b, 3b, with a grade not lower than *C*.

10, 11, 12. French Literature of the Sixteenth and Seventeenth Centuries.

Lectures, translation, themes, collateral reading, and written tests.

Three hours. Through the year.

Offered in alternate years. Offered in 1909-10.

Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

[13, 14, 15. French Literature in the Eighteenth Century.

Lectures, translation, collateral reading, and written tests.

Three hours. Through the year. Offered in alternate years. Not offered in 1909-1910.]

Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

[16, 17, 18. French Literature in the Nineteenth Century.

Lectures, translation, collateral reading, and written tests.

Three hours. Through the year.

Offered in alternate years. Not offered in 1909-10.]

Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

VIII. GEOLOGY

1, 2, 3. General Geology.

The subject is developed by field, laboratory and museum work, by lectures and discussions.

Three hours. Through the year. Elective for Juniors and Seniors.

4, 5, 6. Physiographic Geology.

Especially planned for those who wish to teach Secondary School Geology or Physical Geography or to specialize in Geology and Geography.

Three hours. Through the year. Elective for Seniors who have had a year's work in General Geology.

IX. GERMAN

The study of German is required during the Sophomore year and is elective during the Junior and Senior years, three hours per week.

The aim of the required work is the acquisition of a thorough knowledge of the fundamentals of German grammar and the ability to translate into good English fairly difficult German prose and poetry. The aim of the elective work is a sympathetic literary interpretation of all texts read, an introduction to the masterpieces of the German drama of the classical period, a general knowledge of the history of German Literature and a comprehensive view of the tendencies in German literature since Goethe's death.

Careful drill in pronunciation and the intelligent reading of the German text are insisted upon. Some practice in conversation is given, and German is used in the class-room as far as is deemed advisable by the instructor. In the elective courses a large amount of collateral reading outside the class-room is expected. Advanced grammar and composition are not lost sight of throughout the course, although no specialty is made of these subjects after the first year.

1 2, 3. Elementary Course.

Grammar, prose composition, dictation, sight reading, translation of easy German prose and poetry.

Three hours. Through the year. Required of all Freshmen who present elementary German for admission; and of all Sophomores who do not present elementary French or elementary German for admission.

4a, 5a, 6a. Intermediate Course.

Selected works of modern and classical authors. Review of the grammar of the first year, syntax, prose composition.

Three hours. Through the year. Required of all Freshmen who present elementary German for admission; and elective for Sophomores who have passed in German 1, 2, and 3.

4. German Literature of the Eighteenth Century.

Lessing: *Minna von Barnhelm.* Lectures on Lessing's life and works. History of German Literature from 1500 to 1748 in outline. Outside reading in Riehl and Storm.

Three hours. First term. Elective for Juniors who have passed in German 1, 2 and 3.

5. German Literature of the Eighteenth Century.

Schiller: *Wilhelm Tell, Die Jungfrau von Orleans.* Lectures on Schiller's life and works. History of German Literature from the earliest times to 1050 in outline. Outside reading in Heyse and Wildenbruch.

Three hours. Second term. Elective for Juniors who have passed in German 4 or its equivalent.

6. German Literature of the Eighteenth Century.

Goethe: *Goetz von Berlichingen, Iphigenie auf Tauris, Dichtung und Wahrheit* (selections). Lectures on Goethe's life and works. History of German Literature from 1050 to 1500 in outline. Outside reading in Baumbach and Keller.

Three hours. Third term. Elective for Juniors who have passed in German 4 or its equivalent.

7. Goethe's Faust.

Part I. and selected portions of Part II. In addition to a critical study of the text, special attention is given to the history of the *Faust* legend, and to the life of Goethe as reflected in *Faust.* Outside reading in connection with the *Faust* theme.

Three hours. First term. Elective for Seniors who have passed in German 4 or its equivalent.

8. Heine's Life and Works.

An introduction to the study of the poet's life and works. A consideration of the metrical and linguistic features of his poetry. Heine's relation to the Romantic School and to Young Germany. *Buch der Lieder, Harzreise, Briefe.*

Three hours. Second term. Elective for Seniors.

[8a. The Romantic School in Germany.]

Three hours. Second term. Elective for Seniors. Not offered in 1909-1910.

9. The Modern German Novel.

Selected novels of Freytag, Keller, C. F. Meyer, and Sudermann. A rapid reading course.

Three hours. Third term. Elective for Seniors.

[9a. Modern German Drama.]

Three hours. Third term. Elective for Seniors. Not offered in 1909-1910.

10. German Seminary.

Special work with advanced students. In 1909-1910 the subject will be the Storm and Stress Period in German Literature.

11. Teachers' Course.

A general review of German grammar. Essentials of phonetics. Practice in conversation. Discussion of the theories of instruction in the modern languages.

One hour. Second and third terms. Elective for Seniors who expect to teach German.

12. Scientific German.

Rapid reading of scientific prose. For students specializing in science.

One hour. Through the year. Elective for Seniors. (Courses 10, 11, and 12 do not count for a degree.)

X. GREEK

The courses in Greek are so arranged as to give the student a first-hand acquaintance with nearly all the divisions of the wide and varied field of Classical Greek Literature—Epic and Lyric Poetry, the Drama, the Historians, the Orators, Plato and Theocritus. The foremost purpose is to lead to an appreciation of the individual masterpieces read. At the same time the student is encouraged to become acquainted with the entire groups of which these separate works are specimens, and with the history, civilization and art of the periods to which they belong. Lectures and class and individual assignments of library work serve to enlarge the outlook gained from study of a single text. With the same end in view as many additional works as possible are covered through sight reading, and the reading and discussion of translations. While drill in grammar and syntax is not made the main end, accuracy and precision in these subjects are insisted upon throughout the course. Another constant purpose is to prepare intelligent and enthusiastic teachers of the Classics.

Courses 1, 2 and 3 are required for all Freshmen who offer Greek for entrance. Students who expect to teach Greek or Latin, or who desire to secure a fairly complete classical course, are advised to continue Greek at least through the first two terms of their Sophomore year, taking courses 4 and 5, or 7 and 8. The courses in the Latin Department for the Sophomore year are so arranged as to facilitate this, making it possible without interfering with other desired work to secure two courses in Greek and three in Latin during this year. These courses are open also to Juniors. Course 10 also is recommended to those who expect to teach Greek.

1. The Odyssey, selections from Books I-XII.

Three hours. First term. Required of Freshmen who present Greek for entrance.

2. Herodotus, Books VII and VIII.

Three hours. Second term. Required of Freshmen who present Greek for entrance.

3. Lysias, Selected Orations. Three hours. Third term. Required of Freshmen who present Greek for entrance.

4. Iliad of Homer; reading of selected books, and of intervening passages in English versions, with a view to acquiring a knowledge of the Iliad as a whole. Three hours. First term. Elective for Sophomores and Juniors.

5. Greek Lyric Poetry. Three hours. Second term. Elective for Sophomores and Juniors.

6. History of Greek Literature. Fowler's "Ancient Greek Literature" will be used as a text-book, supplemented by translation by the instructor of portions of selected works and by reading of others in English versions by the students. A knowledge of Greek is not necessary for this course. Three hours. Third term. Elective for Sophomores and Juniors.

[7. Sophocles, Oedipus Tyrannus. Collateral reading of the other extant tragedies of Sophocles in Plumptre's vision, and of specimen plays of Aeschylus and Euripides. Three hours. First term. Elective for Sophomores and Juniors.

Not offered in 1909-1910.]

[8. Plato, Apology and Crito, and selections from the Republic. Three hours. Second term. Elective for Sophomores and Juniors.

Not offered in 1909-1910.]

[9. Theocritus, Idyls. The literature and social conditions of the Alexandrian Period. Three hours. Third term. Elective for Sophomores and Juniors.

Not offered in 1909-1910.]

10. Greek Composition. This course is recommended as valuable for those intending to teach Greek

or Latin. One hour per week, throughout the year. Elective for Sophomores, Juniors, and Seniors.

Special attention is called to the following courses, designed for students who enter College with a preparation in French or German instead of Greek, and who wish to begin Greek in the Freshman year. It is perfectly feasible for a student taking these courses to cover thoroughly in two years substantially all the Greek required for admission to college. The same credits are given for these courses as for courses 1 to 6. Students who have completed Course 6a, may, in their Junior year, enter upon Course 1, or, with the approval of the instructor, upon Course 4 or 7.

1a, 2a and 3a. White's First Greek Book and Xenophon's Anabasis, Book IV. Three hours. Through the year. Elective for Freshmen.

4a. Selections from Lucian and Herodotus. Review of Grammar and Syntax. Three hours. First term. Elective for Sophomores.

5a and 6a. Homer, Selected Books from the Iliad or Odyssey. Three hours. Second and third terms. Elective for Sophomores.

XI. HISTORY

ANCIENT

1. The Beginnings of Civilization. Three hours. First term. Elective for Sophomores. (For description of this course see page 37.)

2. History of Israel. Three hours. Second term. Elective for Sophomores. (For description of this course see page 37.)

3. The Beginnings of Christianity. Three hours. Third term. Elective for Sophomores. (For description of this course see page 38.)

4. Greek Statesmanship. Greek History from 600 to 300 B.C., studied with special reference to the problems encountered by Greek statesmen in foreign relations and domestic politics. An estimate of the aims, methods and achievements of successive statesmen.

Three hours. Third term. Elective for Freshmen.

MEDIÆVAL AND MODERN

5. Mediæval Europe. A survey of the Roman Empire, the invasions of the German tribes and a more detailed study of the development of France, Germany and Italy throughout the mediæval period. Special attention is given to such topics as Feudalism, the Crusades, the Mediæval Church and the Renaissance.

Three hours. First term. Elective for Sophomores.

6. The Modern Age. The course begins with the Protestant Reformation and deals with the development of the leading European nations, England excepted, up to the present time.

Three hours. Second term. Elective for Sophomores.

7. The History of England. An outline course of the political and constitutional development of England, with special reference to the growth of democracy and of empire.

Three hours. Third term. Elective for Sophomores.

8. American History to 1776. A study of the establishment of the various European Colonies in America, their expansion, their political and social development, the struggle between the French and the English for the possession of North America, the causes of the Revolutionary War.

Three hours. First term. Elective for Juniors.

9. American History, 1776 to 1829. The establishment of independent governments, the progress of the Revolutionary War, the formation of the Constitution, the rise of Political Parties, the growth of Nationality during the first part of the nineteenth century.

Three hours. Second term. Elective for Juniors.

10. American History, 1829 to the Present Time. Attention is centered in the main upon the political phase of the controversy over slavery, upon the Civil War and Reconstruction and upon the more important features of recent American History.

Three hours. Third term. Elective for Juniors.

11. The French Revolutionary and Napoleonic Periods, 1789-1815. A preliminary study is made of the characteristic features of the Ancient Régime. Prerequisite, Course 6.

Three hours. First term. Elective for Juniors and Seniors.

12. Europe in the Nineteenth Century. Mainly political, introductory to European politics of the present day. Prerequisites, Courses 6 and 11.

Three hours. Second term. Elective for Juniors and Seniors.

XII. LATIN

Latin is offered throughout the four years, three hours a week, except in Latin 6, and is required of all Freshmen. The courses for Juniors and Seniors are given in alternate years, and are open to both classes.

The courses of study in this department have been arranged with the belief that an acquaintance with Latin literature is an essential of real culture. An effort is made to cultivate the ability to read Latin easily and at sight, to secure grace in translation, an appreciation of the literary worth of the author, and a clear mental picture of the life and times in which each wrote.

Students intending to devote themselves to the teaching of Latin are advised to pursue the study of Latin for at least nine terms, and of Greek for at least five.

1. Livy: Burton's Selections. Review of the syntax of the Latin verb and noun. First term. Three hours. Required of Freshmen.

2. Livy: Continued. Horace: Odes, begun. Study of the Metres of Horace. Second term. Three hours. Required of Freshmen.

3. Horace: Odes, Epodes, and *Carmen Saeculare*. Third term. Three hours. Required of Freshmen.

4. Cicero: *De Senectute* and *De Amicitia,* with special attention to interpretation. First term. Three hours. Elective for Sophomores.

5. Latin Comedy: *Menaechmi* or *Captivi* or *Rudens* of Plautus, and *Phormio* of Terence. Lectures on the relation of the Latin to the Greek comedy. Third term. Three hours. Elective for Sophomores.

6. Latin Composition. The work of *Latin 6* is especially adapted to the needs of such students as expect to teach Latin in later years. One hour. Through the year. Elective for Sophomores.

7. Juvenal: Selected Satires. Martial: Selected Epigrams. Roman private antiquities. First term. Three hours. Elective for Juniors and Seniors who have completed at least one elective course.

8. Tacitus: Agricola and Germania. Second term. Three hours. Elective for Juniors and Seniors who have completed at least two elective courses.

9. Pliny the Younger: Selected Letters. Third term. Three hours. Elective for Juniors and Seniors who have completed at least two elective courses.

10. The Elegiac Poets of the Augustan Age. Tibullus, Propertius, and Ovid. First term. Three hours. Elective for Juniors and Seniors who have completed at least one elective course.

11. Cicero: Tusculan Disputations, Book I, and The Dream of Scipio. Cicero as a student of philosophy. Second term. Three hours. Elective for Juniors and Seniors who have completed at least two elective courses.

12. Horace: Satires and Epistles. Lectures on suitable topics. Third term. Elective for Juniors and Seniors who have completed at least two elective courses.

[Latin 10, 11 and 12. Not offered in 1909-1910.]

Special attention is called to the courses mentioned below. As was stated on page 30, students whose knowledge of Latin does not satisfy the requirements for admission, but whose preparation is otherwise adequate, will make up their deficiencies while in college.

The Assistants in Latin will give instruction to such students in the following courses:

a. First Year Latin. Five hours. One year.

b. Latin prose and poetry. Five hours. One year.

XIII. MATHEMATICS

1. Algebra. Ratio and proportion, variation, series, binomial theorem, undetermined coefficients, logarithms, permutations and combinations, continued fractions, theory of equations, graphic algebra. Wells' College Algebra.

Three hours. First term. Required of all Freshmen.

2. Geometry. Solid Geometry, which includes polyhedral angles, the various solids bounded by planes, the cone, the cylinder, and the sphere. This course includes a large amount of original work in demonstration and computation. Phillips and Fisher's Elements of Geometry.

Three hours. Second term. Required of all Freshmen.

3. Trigonometry. Plane Trigonometry with problems and applications. Phillips and Strong's Trigonometry.

Three hours. Third term. Required of all Freshmen.

4. Spherical Trigonometry and Surveying. This is a continuation of Course 3, with problems and applications to astronomy. This portion of the work closes the fourth week and the remainder of the term is given to surveying which includes the theory of chain, compass, and transit surveying, leveling, the adjustment and use of instruments, computation of area, and scale drawings. Hodgman's Land Surveying.

Three hours. First term. Elective for Sophomores.

5. Plane Analytical Geometry. A study of the point, line, circle and transformation of co-ordinates. Tanner and Allen's Analytic Geometry. Three hours. Second term. Elective for Sophomores.

6. Analytic Geometry. A continuation of course 5. Conic sections, equation of second degree, elements of solid analytic geometry.

Three hours. Third term. Elective for those who have taken Course 5.

7. Differential Calculus. Differentiation of algebraic and transcendental functions with application to problems. Osborne's Differential and Integral Calculus.

Three hours. First term. Elective for those who have taken courses 5 and 6.

8. Differential Calculus completed. Change of the variables in derivatives, maxima and minima of functions of two or more independent variables, curve tracing, envelopes.

Three hours. Second term. Elective for those who have taken Course 7.

9. Integral Calculus. Various methods of integration with applications.

Three hours. Third term. Elective for students who have taken the previous courses.

10. Integral Calculus completed. Integration as a summation, successive integration, surface, volume and moment of inertia of any solid, centre of gravity, pressure of fluids, force of attraction.

Three hours. First term. Elective for the students who have taken the previous courses.

11. Differential Equations (Elementary course). Solution of ordinary and partial differential equations with applications to geometry and physics. Campbell's Differential Equations.

Three hours. Second term. Elective for students who have taken courses 5 to 10 inclusive.

12. Determinants and Theory of Equations. This course is devoted to determinants, complex quantities, properties of polynomials, general properties of equations, symmetric functions, limits and separations of the roots of an equation, elimination and solution of numerical equations. Barton's Theory of Equations.

Three hours. Third term. Elective for Seniors.

XIV. ORATORY AND VOICE CULTURE

1. The study and development of elemental thought processes as related to Vocal Expression. Attention. Sequence of Ideas. Conception.

Vocal Training. Correct method of breathing. Openness of tone passage. Preparatory actions for speech. Ease, freedom and openness in tone production. The study of articulation, enunciation and pronunciation.

One hour. Second term. Required of Freshmen.

Prize Speaking, in which every member of the Freshman Class is prepared by special instruction and drill, and in which the principles studied in class are applied to public speaking.

2. The development of the Logical Instinct in speaking. The study of Emphasis and its various forms of expression. Inflection. Change of Pitch. Pause. Antithesis. Subordination. Movement. Force.

Vocal Training, to secure control of breath and elasticity of tone.

One hour. First term. Required of Sophomores.

Prize Speaking, in which every member of the Sophomore Class is prepared by special instruction and drill.

3. The study of the Elements of Naturalness in speech. Work in conversation, narration, description and soliloquy to develop naturalness in speech form.

Vocal Training, continued to develop agility and ease.

One hour. Third term. Elective for Juniors.

Special training for students competing for the Junior Exhibition.

4. Development of the Dramatic Instinct. Study of a Shakesperian play and short scenes from the old comedies.

One hour. Third term. Elective for Senior women.

5. Study of the different forms of Oratory. Work on examples of each style, with training in gesture and attitude, as related to public speaking.

One hour. Third term. Elective for Senior men.

6. Class in Methods of Teaching Elocution and Oratory designed to aid those who may have to coach students in Prize Speaking contests and Graduating parts.

One hour. Third term. Elective for Seniors who have completed courses 1, 2 and 3.

XV. PHILOSOPHY

1. Christian Ethics. The aim of this course is to derive from the life and teachings of Christ the ideals and principles that are permanently applicable to human conduct, and to show their relations to the problems of individual character and of social progress presented in the life of to-day. The Bible and Stalker's "Life of Christ" are used as text-books. There is a constant endeavor to make the work practical. To this end, topics requiring special reading are assigned, essays and discussions are prescribed, and occasional talks and lectures are given.

One hour. First term. Required of Freshmen.

2. Psychology. James's "Briefer Course" as far as Chapter XI. An attempt is made to combine the methods of the "New Psychology" with those of the "Old." Mental life is studied so far as possible in its relation to neural conditions. The nature and processes of the various orders of sensation are exemplified from every day experiences. It is the constant aim to translate principles into facts; to explain abstractions by particular instances. Simple experiments for determining reaction time for the

different senses are introduced. Each student selects from a prescribed list certain habits to form and carefully notes and records the results. The tests and examinations are given for the purpose of determining how far the knowledge gained can be applied.

Three hours. Second term. Required of Juniors.

3. Psychology. James's "Briefer Course" from Chapter XI. The text-book is supplemented by talks, informal lectures, and required reading. The student is encouraged to compare the authorities consulted with the conclusions that he derives from introspection; and an attempt is made, especially in the study of Attention, Association, Imagination, and Memory to discuss and compare differences in mental individuality. So far as practicable, Psychology is made to shed light on the problems of Education and to yield practical suggestions to teachers. In the consideration of the Instincts, the Emotions, and the Will, the work is conducted largely from the ethical as well as the pedagogical point of view.

Three hours. Third term. Required of Juniors.

4. History of Philosophy. This course, by the historical method, introduces the student to the problems of Philosophy as they have actually arisen and developed. Greek Philosophy is studied as a preliminary statement of these problems. In the various systems of Modern Philosophy the student is led to acquire methods of philosophical reflection, and to form tentative conclusions on the questions at issue.

A text-book is used supplemented by lectures and discussions. The student studies some one system more intensively, and gives the results of this study in a thesis. Three hours. First term. Elective for Seniors.

5. Current Philosophy. A further study of the problems outlined in Course 4. Paulsen's Introduction to Philosophy serves as the basis for discussion upon such topics as the following: Relation of Philosophy and Religion; Philosophy and Science; Materialism; Theism; Pantheism, Evolution, Panpsychism, The Nature of the Soul. In all of these discussions the scientific and the pragmatic points of view, as well as the purely reflective, are kept in view. A thesis upon some one of the subjects above is required.

Three hours. Second term. Elective for Seniors.

6. Ethics. A study of various ethical theories with a view to finding a satisfactory basis for both civic and personal morality. The influence of Evolution upon Ethical Theory will be discussed and the metaphysical implicates of Ethics examined. The text will be supplemented by required reading, reports and informal discussions.

Three hours. Third term. Elective for Seniors.

7. Logic. This course is designed not merely to acquaint the student with the principles of formal logic, but to enable him to utilize the knowledge gained in analyzing and evaluating argument. Theory is not disregarded, but practical value is made paramount. By actual practice in detecting fallacies the student is put upon his guard against error both in his own thinking and in the thought of others. Deduction and Induction are both studied in this way, especial attention being given to their application to argumentation.

Three hours. Second term. Elective for Juniors.

FINE ARTS

1. The Fine Arts. This course is a study in the interpretation of the fine arts, Architecture, Sculpture,

Music, and Painting, and is designed to give the student an intelligent basis for appreciating representative works in these various arts. The subject is introduced through historical data, though more stress is laid upon the purpose and principles which underlie the several arts. Constant use is made of illustrative material so that these principles may be seen to have a concrete value and reality. Good taste being regarded as the essential element in art education, the principles of correct judgment are emphasized throughout the course.

Three hours. First term. Elective for Juniors.

EDUCATION

The purpose of the following courses in Education is twofold: First, to acquaint the students with the general nature, function, and importance of education as one of the institutions of society for its own development; second, to give the students a clear conception of the educative process psychologically considered, and to help him to develop from such knowledge the principles of classroom methods and management. Theory is emphasized for the sake of breadth of view and perspective, though always with the understanding that the fruit of theory is correct and effective practice. The courses are designed to cover the requirement of the various states for work in this department.

1. History of Education. A study of the educational practices of some of the nations of antiquity and of modern times, and of the development of modern educational theory.

Three hours. Third term. Elective for Juniors.

2. The Philosophy of Education. A course designed to give the student a clearer and broader concep-

tion of the nature and importance of education as a function of society, and of its value in preparation of the individual for life. Courses 1 and 2 are of importance not only for the prospective teacher but for all who would have an intelligent understanding of the significance of education for the individual and for the state.

Three hours. First term. Elective for Seniors.

3. Psychological Principles of Education. A study of education considered as mental development. The course is an examination of the mental processes involved in the various stages of the child's development, with the formulation of conclusion as to the best means of securing rapid and consistent growth.

Three hours. Second term. Elective for Seniors.

4. Methods and Management. A technical course in methods for those who expect to engage in teaching. Drawing upon the preceding courses the student is led to make practical application of the truth gained in formulating correct methods of instructions and of principles of management. The various subjects of special interest to teachers such as the Recitation, Discipline, Punishments, the Schedule, Order, etc., are taken up for reading and for discussion.

Three hours. Third term. Elective for Seniors who have had course 3.

XVI. PHYSICS

1. Elementary Mechanics. Recitations with special attention to the solution and discussion of numerous problems, illustrative lectures, and laboratory work. Two recitations and one laboratory period per week. First term. Elective for Sophomores who have had Freshman Mathematics.

2. Heat and Sound. A continuation of course 1. Two recitations and one laboratory period per week. Second term. Elective for Sophomores.

3. Light. A continuation of course 2. Two recitations and one laboratory period per week. Third term. Elective for Sophomores.

4. Elementary Electricity and Magnetism. A continuation of course 3. Two recitation and one laboratory period. First term. Elective for Juniors who have completed courses 1, 2, 3.

5, 6. Physical Laboratory. Advanced laboratory work in Mechanics, Heat, Light, Sound, Electricity, and Magnetism. Three periods per week. Second and third terms. Elective for Juniors who have completed 1, 2, 3, 4.

7. Advanced Physical Laboratory. A continuation of course 6. Elective for Seniors who have completed 5, 6.

8, 9. Elements of Electrical Engineering. Direct Currents. Recitations, lectures, and practical problems in modern electrical practice. Three hours per week. Second and third terms. Elective for Juniors who have completed 1, 2, 3, 4.

10. Electrical Laboratory. Elementary experiments in Electricity and Magnetism, followed by technical and precise measurements. Photometry. Standardization of electrical instruments. Determination of efficiencies of apparatus. One period per week. Second and third terms. Elective for Juniors taking 8, 9.

11, 12, 13. Alternating Currents. Recitations, problems, and lectures with laboratory work in precise electrical measurements. Two recitation and one laboratory period per week. Through the year. Elective for

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Seniors who have completed 8, 9, 10, and have studied Calculus.

14, 15. Optics. Advanced course, based on Wood's Physical Optics. Three hours per week. Second and third terms. Elective for Seniors who have completed 7.

[16, 17, 18. Applied mechanics. Advanced course. Elective for Seniors who have completed 1, 2, 3, 4, and have studied Calculus. Three hours per week. Through the year. Not offered in 1909-10.]

MECHANICAL DRAWING

The courses in drawing are designed to meet the requirements of students intending to study either civil, mechanical, or electrical engineering. The work is made as practical as possible.

1. Mechanical Drawing. The use of instruments. Geometrical problems and projection. Simple mechanical details. Introductory to all courses in drawing. Three hours per week. Second and third terms of Freshman year.

2. Descriptive Geometry. Recitations and drawing. A continuation of course 1. Three hours per week. First term of Sophomore year.

4. Machine Drawing. Elementary course. Three hours per week. Second and third terms of Sophomore year.

5. Machine Drawing. Advanced course. Gearing. Machine design. Three hours per week for a year. Elective for students who have completed course 4.

XVII. POLITICAL SCIENCE

A course dealing primarily with the forms of federal, state and local government in the United States. Incidentally some attention is given to the fundamental principles of the state, of government in general, and of law. The main features of the political systems of Great Britain, Germany and France are also considered.

Three hours. Third term. Elective for Seniors.

XVIII. SPANISH

[1, 2, 3. Elementary Spanish. Not offered in 1909-10. To be offered in 1910-11.

Three hours through the year and to count toward a degree must be taken the full year. Elective for Sophomores, Juniors and Seniors.]

4, 5, 6. Spanish Classics.

Three hours. Through the year. Elective for those who have had courses 1, 2 and 3.

HYGIENE AND PHYSICAL TRAINING FOR MEN

HYGIENE

The Director of Physical Training gives each young man entering the Freshman Class a thorough physical examination during the first term of his attendance at College. From the measurements and strength tests taken, a chart is made out for each student, showing his size, strength, and symmetry, in comparison with the normal standard, and also what parts of the body are defective either in strength or development. A handbook containing the exercises prescribed for the correction of any physical defects shown by his chart, and giving specific directions in regard to diet and bathing, is furnished each student.

When any student is found defective in vision, he receives from one of the college oculists the specific treatment that his case may require.

Oculists

ANSON A. COBB, M.D.,
236 Main Street, Auburn

CHARLES E. NORTON, M.D.,
118 Lisbon Street

W. J. PENNELL, A.M., M.D.,
223 Main Street, Auburn

FREDERICK S. WAKEFIELD, A.B., M.D.,
342 Main Street

E. A. McCOLLISTER, A.M., M.D.,
103 College Street

GEORGE P. EMMONS, A.M., M.D.,
147 Lisbon Street

PHYSICAL TRAINING

1. Class exercises: Military drill, setting-up exercises, and Indian-club swinging. Squad exercises (graded to suit the strength of each division): Basketball, indoor athletics, chest-weights, developing appliances, bar, rings, etc. From the first of November to the first of April. Required of Freshmen.

2. Class exercises: Setting-up exercises, dumb-bell drill. Squad exercises: Boxing, wrestling and heavy gymnastics, basketball, bowling, indoor athletics. Second term. Required of Sophomores.

3. Class exercises: Setting-up exercises, fencing with single sticks and with broad-swords. Squad exercises: Basketball, indoor athletics, heavy gymnastics. Second term. Required of Juniors.

PHYSICAL TRAINING FOR WOMEN

Physical training is a very important factor in the best moral, mental and spiritual growth, and in the development of strong, refined and useful women. The aim of this department is to aid in the physical development and the maintenance of health of each young woman during her college course.

The plan of work is as follows: the Director ascertains the physical condition of each young woman entering the Freshman class by means of a physical examination which includes measurements and strength tests and a thorough examination of the heart and lungs. At the end of the Junior year, a second examination is given, making possible a comparison with the first measurements and strength tests showing any increased strength and development. Thirty minutes of outdoor exercise is required each school-day during the first two months of the first term and may be taken in the form of walking or any of the outdoor sports: hockey, tennis, etc. The work in the gymnasium under the personal supervision of the Director begins the first of November and continues through the winter term.

The gymnastic work is based upon the Swedish System. The exercises consist of free-hand floor work and light apparatus work especially adapted to women. These exercises involve the complete and powerful use of all the large groups of muscles, thus producing the essential hygienic effect, tending to correct faulty postures and give training in co-ordination. Such games as indoor basketball, volleyball, captainball and others, played under the supervision of the Director are of the greatest educational value. Fancy steps and Gilbert æsthetic movements train especially the sense of rhythm and the power of co-ordination. The practical results derived from this work are grace, ease of movement and bearing with a certain amount of endurance.

Three hours a week required of Freshmen, Sophomores, and Juniors. Edective for Seniors.

Outline of Studies

The figure preceding a subject indicates the number of the course in that study as explained on pages 33 to 78. The figure following a subject indicates the number of exercises per week. Electives are italicized. The left-hand column in the Freshman year shows the arrangement of courses for students who offer Greek for entrance or who take Elementary Greek; the right-hand column, the approximate arrangement for others. Subjects in square brackets [ ] are not offered in 1909-1910.

FRESHMAN YEAR

First Term

1	Christian Ethics	1	1	Christian Ethics	1
1	English	2	1	English	2
1, 1 *a* or 1 *b*	French or	3	1, 1 *a* or 1 *b*	French or	3
1	German	3	1	German	3
1	Greek	3	1	Latin	3
1	Latin	3	1	Mathematics	3
1	Mathematics	3	1	*Ornithology*	1
1 *a*	*Greek*	3			
1	*Ornithology*	1			

Second Term

2	English	2	2	English	2
2, 2 *a*, 2 *b*	French or	3	2, 2 *a*, 2 *b*	French or	3
2	German	3	2	German	3
2	Greek	3	2	Latin	3
2	Latin	3	2	Mathematics	3
2	Mathematics	3	1	Oratory	1
1	Oratory	1	2	Physiology (women)	3
2 *a*	*Greek*	3	1	*Mechanical Drawing*	3
			2	*Physiology* (men)	3

Third Term

3	English	2
3, 3 *a* or 3 *b*	French or	3
3	German	3
3	Greek	3
3	Latin	3
3	Mathematics	3
[1	*Botany*	3]
2	*Botany*	3
1	*Christian Literature*	1
4	*Greek Statesmanship*	3
1	*Literary Study of Old Testament*	3
2	*Ornithology*	1

3	English	2
3, 3 *a* or 3 *b*	French or	3
3	German	3
3	Latin	3
3	Mathematics	3
[1	*Botany*	3]
2	*Botany*	3
1	*Christian Literature*	1
4	*Greek Statesmanship*	3
1	*Literary Study of Old Testament*	3
1	*Mechanical Drawing*	3
2	*Ornithology*	1
3	*Physiology*	3

SOPHOMORE YEAR

First Term

4	English	3
1	German	3
2	Oratory	1
2	*Christian Literature*	3
2	*Descriptive Geometry*	3
7	*French*	3
4 *a*	*German*	3
4, 4 *a*	*Greek*	3
[7	*Greek*	3]

10	*Greek*	1
1, 5	*History*	3
4	*Latin*	3
6	*Latin*	1
4	*Mathematics*	3
1	*Physics*	3
[1	*Spanish*	3]
1	*Zoology*	3

Second Term

5 or 6	English	3
2	German	3
1	*Chemistry*	3

10	*Greek*	1
2, 6	*History*	3
6	*Latin*	1

3	*Christian Literature*	3
8	*French*	3
5 *a*	*German*	3
5, 5 *a*	*Greek*	3
[8	*Greek*	3]
5	*Mathematics*	3
2	*Physics*	3
[2	*Spanish*	3]
3	*Topographical Drawing*	3
2	*Zoology*	3

Third Term

3	German	3
[1	*Botany*	3]
2	*Botany*	3
2	*Chemistry*	3
4	*Christian Literature*	3
7	*English*	3
9	*French*	3
3 *a*	*German*	3
6, 6 *a*	*Greek*	3
[9	*Greek*	3]
10	*Greek*	1
3, 7	*History*	3
5	*Latin*	3
6	*Latin*	1
4	*Machine Drawing*	3
6	*Mathematics*	3
3	*Physics*	3
[3	Spanish	3]
3	*Zoology*	3

JUNIOR YEAR

First Term

11	English	4
[3	*Botany*	3]
3	*Chemistry*	3
5	*Christian Literature*	3
8	*English*	3
9	*English*	1
1	*Fine Arts*	3
10	*French*	3
1	*Geology*	3
4	*German*	3
4	*Greek*	3
[7	*Greek*	3]
10	*Greek*	1
10	*Hebrew*	3
8, 11	*History*	3
7	*Latin*	3
5	*Machine Drawing*	3
7	*Mathematics*	3
4	*Physics*	3
5	*Prophets*	3
[1	*Spanish*	3]
4	*Spanish*	3
4	*Zoology*	3

Second Term

2	Psychology	3
4	*Chemistry*	3
6	*Christian Literature*	3
9	*English*	1
12	*English*	4
11	*French*	3
2	*Geology*	3
5	*German*	3
5	*Greek*	3
[8	*Greek*	3]
10	*Greek*	1
10	*Hebrew*	3
9, 12	*History*	3
8	*Latin*	3
5	*Machine Drawing*	3
8	*Mathematics*	3
7	*Philosophy*	3
5, 8	*Physics*	3
10	*Physics*	1
10	*Public Speaking*	3
[2	*Spanish*	3]
5	*Spanish*	3
6	*Wisdom Literature*	3
5	*Zoology*	3

Third Term

3	Psychology	3
5	*Chemistry*	3
7	*Christian Literature*	3
1	*Economics*	3
1	*Education*	3
9	*English*	1
13	*English*	4
12	*French*	3
3	*Geology*	3
6	*German*	3
6	*Greek*	3
[9	*Greek*	3]
10	*Greek*	1
10	*Hebrew*	3
10	*History*	3
9	*Latin*	3
5	*Machine Drawing*	3
9	*Mathematics*	3
3	*Oratory*	1
6, 8	*Physics*	3
10	*Physics*	1
[16	*Physics*	3]
7	*Psalms*	3
10	*Public Speaking*	3
[3	*Spanish*	3]
6	*Spanish*	3
6	*Zoology*	3

SENIOR YEAR

First Term

1	*Astronomy*	3
[3	*Botany*	3]
6, 9	*Chemistry*	3
8	*Christian Literature*	3
2	*Economics*	3
2	*Education*	3
8	*English*	3
9	*English*	1
14	*English*	4
[13	*French*	3]
[16	*French*	3]
1, 4	*Geology*	3
7	*German*	3
10	*Greek*	1
10	*Hebrew*	3
11	*History*	3
7	*Latin*	3
10	*Mathematics*	3
4	*Philosophy*	3
11	*Physics*	3
[16	*Physics*	3]
[1	*Spanish*	3]
4	*Spanish*	3
8	*Study of Religions*	3
7	*Zoology*	3

Second Term

2	*Astronomy*	3
7, 10	*Chemistry*	3
9	*Christian Literature*	3
3	*Economics*	3
3	*Education*	3
9	*English*	1
15	*English*	4
[14	*French*	3]
[17	*French*	3]
2, 5	*Geology*	3
8	*German*	3
10	*Greek*	1
10	*Hebrew*	3
12	*History*	3
9	*History of Religions*	3
8	*Latin*	3
11	*Mathematics*	3
5	*Philosophy*	3
12, 14	*Physics*	3
[17	*Physics*	3]
10	*Public Speaking*	3
[2	*Spanish*	3]
5	*Spanish*	3
8	*Zoology*	3

Third Term

3 *Astronomy*	3	16 *Hebrew*	3
8, 11 *Chemistry*	3	9 *Latin*	3
10 *Christian Literature*	3	12 *Mathematics*	3
4 *Education*	3	4, 5, 6 *Oratory*	1
9 *English*	1	6 *Philosophy*	3
16 *English*	4	13, 15 *Physics*	3
[15 *French*	3]	[18 *Physics*	3]
[18 *French*	3]	1 *Political Science*	3
3, 6 *Geology*	3	10 *Public Speaking*	3
9 *German*	3	[3 *Spanish*	3]
10 *Greek*	1	6 *Spanish*	3

BACHELOR'S DEGREES

The courses of instruction offered lead to the degree of Bachelor of Arts or Bachelor of Science.

The different departments of instruction are arranged under three groups: I, Languages; II, Philosophy (including History and the Social Sciences); and III, Sciences (including Mathematics).

GROUP ARRANGEMENT OF STUDIES

GROUP I	GROUP II	GROUP III
Languages	*Philosophy*	*Sciences*
English	Christian Literature	Astronomy
French	Economics	Botany
German	Education	Chemistry
Greek	Ethics	Engineering
Hebrew	Fine Arts	Geology
Latin	History	Mathematics
Spanish	Oriental Literature	Ornithology
	Philosophy	Physics
	Political Science	Physiology
	Psychology	Zoology

MAJORS AND MINORS

All candidates for degrees are required to make their selections with reference to major and minor subjects.

A major subject is one which is pursued at least three hours per week for three consecutive years, or consists of nine three-hour courses of definitely related subjects. The following are the major subjects available according to the present schedule: English, French, German, Greek, Latin, Biblical Literature, History, Philosophy (including Education and Fine Arts), Biology, Chemistry, Geology-Astronomy, Mathematics, and Physics.

A minor subject is one which is pursued at least three hours per week for two consecutive years, or consists of six three-hour courses of definitely related subjects, and may be pursued in any of the subjects possible for majors. In certain other cases, by arrangement with the Committee on Curriculum, a major or a minor study may be made up by a combination of related courses from different departments.

REQUIREMENTS

A candidate for the degree of Bachelor of Arts must complete before graduation a major subject in Group I or II, and a minor subject, beginning after the Freshman year, in each of the other Groups. A candidate for the degree of Bachelor of Science must complete before graduation a major and a minor subject in Group III, and a minor in each of the other Groups.

In complying with the above conditions, subjects indicated as required in the "Outline of Studies" may count equally with electives. A student in making his selections for the Junior year should indicate in which Group he intends to secure his Major, and in making his selections for the Senior year should indicate the Departments in which he intends to secure his Major and his Minors.

REGISTRATION

The committee on registration is in session on the first day of each term, and all students are required to register at that time unless previously excused. Students failing to comply with the above requirement are charged one dollar for subsequent registration, and this sum will be collected with their term bills.

HONORS

The method of awarding honors and assigning Commencement parts is as follows: Six honors, three to young men and three to young women, are awarded for Scholarship in each of the three general Groups as given under the Group Arrangement of Studies.

From the eighteen persons receiving these honors eight are selected to deliver Commencement parts.

LABORATORIES

CHEMICAL

On the first floor of the Hedge Laboratory are the chemical lecture room, with rooms adjoining for chemicals and apparatus, and a class laboratory room fitted up with tables and sinks sufficient to accommodate thirty-two students. The large room for the general laboratory work of the classes occupies the most of the second floor. It is well lighted, thoroughly ventilated, and conveniently fitted with sinks, hoods, and tables sufficient to accommodate fifty-eight students. Adjoining this room are the weighing and apparatus rooms and the private laboratory of the professor.

The arrangement and appliances of the whole building are in accordance with most approved plans of modern laboratories.

PHYSICAL

The department comprises a well arranged lecture-room, a large and well appointed general laboratory and apparatus room, a dynamo room and workshop, and a dark room. These are conveniently arranged and well furnished for their purposes. The collection of apparatus for lecture purposes and for student laboratory work is rapidly growing.

BIOLOGICAL

Excellent accommodations have been prepared in Science Hall for a Biological laboratory and recitation rooms. These are fitted with the necessary appliances and afford ample opportunities for thorough and extensive work in this department.

CABINETS

BOTANICAL

The nucleus of the Herbarium was gathered many years ago by an enthusiastic botanist, the late Dr. Aaron Young. It contained a representative collection of New England plants. Many of the Maine specimens were gathered during the State Geological Survey, conducted by the late Dr. Charles T. Jackson. The plants chiefly used now, however, in identifying species, constituted the herbarium of the late President Chadbourne of Williams College.

Of this, Dr. O. R. Willis, a distinguished botanist of New York, has said: "It is one of the best working herbariums I have ever examined." Besides its collection of New England plants, including the grasses, sedges, ferns, etc.—in all about two thousand specimens—it has several groups of ferns from other countries, also pretty full collections of mosses and lichens, named by the highest authorities, and more than a thousand fungi. There are collections of the plants of New Jersey, Tennessee, and Florida, also from several foreign countries, illustrating the identity of many families in Europe and America. There are also, collections from Greenland, Labrador, and the tropics, and mountain flora from the Rocky Mountains, the White Mountains, and the Alps. There are, also, some fifteen hundred duplicates. All these collections are in cabinets of the most approved construction.

MINERALOGICAL

The cabinet of minerals, shells, and fossils occupies a large room on the second floor of Science Hall. The collection is conveniently arranged and is steadily growing.

No attempt is made to secure showy shelf specimens. Educational value is the only thing considered. All the common minerals, and many of those of rare occurrence, are fully represented by typical specimens. It is intended to make the collection of local minerals as complete as possible. Among the shells and fossils are many choice specimens.

ORNITHOLOGICAL

The ornithological collection contains mounted specimens of nearly all the New England birds, besides many from other parts of the United States and from foreign countries. In all there are about one thousand specimens.

LIBRARIES

The number of volumes in the different libraries is as follows:

College Library (exclusive of pamphlets),	*29,125
Divinity School Library,	5,910
Total,	35,035

The college library has been selected with special reference to the needs of the several departments. It is composed mainly of modern publications, and contains many important works of reference.

THE BENJAMIN E. BATES LIBRARY FUND

In addition to a regular appropriation each year for the purchase of books, the College now enjoys the benefit of the Benjamin E. Bates Library Fund of $10,000, the

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* This includes about 600 volumes donated by the Polymnian Society, and an equal number donated by the Eurosophian Society.

income of which is devoted to the purchase of works upon History, Economics, Sociology and Mathematics. This fund was established in 1906 in memory of Benjamin E. Bates, 1862-1906, the son of the Benjamin E. whose name the College bears, and himself for twelve years, 1894-1906, a devoted and efficient member of the Board of Fellows of the institution. A scholar of unusual attainments, Mr. Bates had a special interest in the subjects just named. A lawyer of wide reading and of the noblest professional ideals, he was the esteemed counselor of his associates at the Bar upon questions demanding a profound insight into great principles and an eminently judicial mind. A Christian gentleman, he combined with singular modesty and absolute sincerity unhesitating devotion to duty. The library fund bearing his name was created in 1906 by his friend, Mr. Clement S. Houghton of Boston.

UNIVERSITY EXTENSION

Members of the Faculty are prepared to give lectures upon subjects in Science, Literature, Philosophy, History, Economics, Sociology, Pedagogy and Art. Particulars can be learned by correspondence with the President, or the Secretary of the Faculty.

GYMNASIUM

The gymnasium is steam heated and equipped with the apparatus necessary for the thorough and systematic training and development of the human body. This apparatus is new and of the most approved modern pattern. In the basement of the Gymnasium are a pair of excellent bowling alleys; also convenient bathrooms, provided with lockers, hot and cold water, dip baths, shower baths, etc.

The women's dormitory contains a gymnasium sixty by forty feet and twenty feet high. Adjoining the gymnasium are the Director's office and the bath and locker room. The office is supplied with a set of anthropometrical apparatus; the bath and locker room contains four shower baths and one hundred and fifty-six lockers. All the apparatus is new and of the latest pattern, selected and arranged for work that combines the best points of the different systems of physical training. The equipment includes a complete set of Swedish apparatus, developing appliances, foils, masks, jackets for fencing, Indian clubs, dumb-bells, bar-bells. The floor is arranged for indoor gymnastic games, such as indoor baseball and basketball.

Ten fine tennis courts offer abundant opportunity for this healthful game.

ATHLETIC FIELD

The Garcelon Athletic Field, named in honor of the late Alonzo Garcelon, M.D., of the original governing board of the College, is considered one of the best in New England. It has a tasteful and commodious Grand Stand, sufficient for all present needs. The field, surrounded by a fence, has an area of seven acres. It contains a quarter-mile track, a two hundred and twenty yard straight-away, take-offs for the jumps and pole vault, a football field, and a baseball diamond.

OUTDOOR RUNNING TRACK

A wooden outdoor running track has been completed recently. The Track is rectangular in shape with a straight-away course of 74 yards. The width of the Straight-away is ten feet. The rectangle is five feet in width with a course of twelve laps to the mile. The

Track is located near the Gymnasium. It is of modern arrangement, and, undoubtedly, the best in the State of Maine.

SKATING RINK

A Skating Rink has been erected on the Garcelon Athletic Field. The Rink is of regulation size for hockey, 161 feet long by 70 feet wide. It will be controlled by the College and used exclusively for the benefit of the student body. It is considered a very valuable addition to the equipment of the department of Physical Training.

RELIGIOUS EXERCISES

At the close of the first morning recitation each day all the students, with the Faculty, assemble in the chapel for prayer, reading of Scripture and singing. The Students' Christian Associations—Young Men's and Young Women's—hold a union meeting every Wednesday evening, in the Association room, from 6.30 to 7.15 o'clock. The Y. M. C. A. also holds a meeting Saturday evenings from 6.30 to 7.15 o'clock. Voluntary classes for Bible study are carried on through the year. The prayer-meetings of the Y. W. C. A. are held on Monday from 6.30 to 7.15 P.M.

The methods employed are successful in making the meetings varied, attractive, earnest, and spiritual. One meeting each month is devoted to some phase of missionary work.

In addition to these, weekly class prayer-meetings are held and are usually well attended.

The last Thursday in January is observed as "The Day of Prayer for Colleges," and is set apart entirely for religious meetings. A sermon, to which the public is invited, is preached in the chapel at 2.30 P.M. It is hoped that Christian friends of the College generally will remember this day.

COLLEGE MAGAZINE

The *Bates Student* is published monthly under the direction of the Editors and Managers selected from the Junior Class. The first number was issued January, 1873.

LITERARY SOCIETIES

The college has no secret societies. It is, doubtless, owing largely to this fact that all the students unite with an earnest and wholesome interest in the support of the three literary societies, the EUROSOPHIAN, POLYMNIAN, and PIAERIAN. Much systematic work is devoted to preparation for the weekly meetings, which are held on Friday evening, and are occasions not merely of social pleasure, but of most useful drill.

The programs contain assignments that encourage musical culture, literary criticism, essay writing, and debating.

The meetings afford thorough discipline in debate and in the proper conducting of deliberative assemblies, together with a stimulus to excellence in these attainments that to many is an educating force rarely found in college, and hardly second in utility to any department of the curriculum.

YEARLY EXPENSES

Tuition,	$50.00	$50.00
Suites of rooms for young men including heat (two in a suite),	22.50 to	37.50
Board (37 weeks, from $2.50 to $3.00 per week),	92.50 to	111.00
Lights, laundry, books, etc.,	20.00 to	30.00
General Expenses,	21.00 to	24.00
Total,	$206.00	$252.50

Students taking Laboratory courses in Chemistry, Physics, and Biology are charged an additional fee of three dollars each term.

The Freshmen pay a fee of one dollar for their medical examination, chart and hand-book.

Board in private families (laundry, fuel, etc., included), $4.00 to $5.00 per week. Rooms in private families, without board, can be obtained at reasonable prices. Arrangements have been made by which healthful and palatable food can be obtained in one of the College buildings at a cost not exceeding $2.50 per week to each student.

Students are advised in regard to selecting their rooms and boarding places, and all students rooming in College buildings are held responsible for the rent of the rooms selected unless other satisfactory arrangements are made with the Assistant Treasurer.

College bills for the Second Term of 1909-10 must be paid by March 1st. Students unable to pay their bills on or before the above date are required promptly to present to the Assistant Treasurer in writing their reasons why further time is necessary. Bills for the Third Term must be paid by May 1st. Requests for an extension of time beyond this date must be made in writing to the College Treasurer. For the College Year 1910-1911, Semesters will be substituted for Terms. Bills for the first Semester will be payable on or before November 1.

Young men desiring information about rooms in the College dormitories should write to George E. Ramsdell, A.M.

Young women desiring information should address Dean Hester P. Carter. Young women desiring admission to Bates in the fall of 1910 should make application to the Registrar, Miss Elizabeth D. Chase, not later than March 1, 1910. Each applicant is required to furnish a certificate of character and scholarship from her principal, a certificate of health equal to the demands of a College course from her physician, and a certificate of character and worth from her pastor. Not more than fifty applicants can be received in any one year. If practicable, the list of successful candidates will be announced about May 1.

EXAMINATIONS

Written examinations are given at the close of each term and at such other times as the instructors may determine. Beginning with the College Year 1910-1911 written examinations will be given at the close of each Semester.

RANK BILLS

These are sent to the parent or guardian of each student at the close of every term.

DEGREES

The Bachelor's degree is conferred on all students that complete satisfactorily the requisite courses. Each candidate for this degree must submit not later than May 15th of his Senior year a thesis of not less than one thousand words upon some subject representative of his accepted Major. His subject for this thesis must be selected from a list presented by the head of the department in which he has chosen his Major. Candidates are invited to submit subjects for the approval of those in charge of the lists.

It is understood that each list from which choices are to be made will be presented not later than Friday of the eleventh week of the first term.

The Degree of Master of Arts is conferred on graduates of the College of at least three years' standing who have completed one year's graduate non-professional study or its equivalent. Either two or three subjects may be selected, with the advice and under the direction of the heads of the College departments. Evidence of proficiency is to be given by examination and theses. Theses must be presented and fee paid as early as June 1st, and final examinations must be passed not later than ten days before the annual Commencement. The fee is $10.00. Modifications of the foregoing conditions may be granted resident graduates. Further information on the subject may be obtained by writing to the Secretary.

BUILDINGS

HATHORN HALL

Hathorn Hall, a beautiful and substantial building of three stories, contains the College Chapel, eight lecture rooms, the President's and the Assistant Treasurer's offices, a large study and a cloak room for women students. Through the generosity of successive classes, nearly all the rooms in this building have been finished and furnished with excellent taste. Hathorn Hall takes its name from Seth and Mary Hathorn, of Woolwich, Me., who in the early history of the institution contributed generously toward its erection.

PARKER HALL

Parker Hall affords accommodations for about one hundred young men. It has recently been renovated and modernized. The floors throughout are of hardwood. It is heated by steam and lighted by electricity. The rooms are arranged in suites, each consisting of a study and a bedroom. A commodious and tastefully furnished reception room, ample shower baths and other sanitary arrangements, and convenient and tasteful student apartments, render this hall one of the most homelike and satisfactory college dormitories in New England. The baseball cage in the basement affords uninterrupted opportunities for practice in the winter and in stormy weather. Parker Hall bears the name of the late Judge Parker of Farmington, one of the chief contributors for this, the second building erected upon the Campus. The immediate supervision and care of this building are entrusted to the Parker Hall Association, made up of the student occupants.

HEDGE LABORATORY

The building of the department of Chemistry is called Hedge Laboratory, in honor of the late Isaiah H. Hedge, M.D., of Waukon, Iowa, who furnished the means for its erection. It is a two-story building finely located and of attractive modern style. The rapidly increasing number of students and the popularity of the courses in Chemistry render absolutely necessary the doubling of the capacity of this building at the earliest date practicable. The amount needed for this purpose is $20,000.

SCIENCE HALL

Science Hall is the large three-story brick building formerly occupied by the Latin School. It is used by the departments of Physics and Biology and contains the botanical and mineralogical cabinets. It has met urgent needs during a period of rapid growth and marked progress. But, as soon as circumstances will permit, it should be restored to its former chief use—that of a dormitory for young men—and a modern building for the departments of Physics and Biology should be erected.

ROGER WILLIAMS HALL

Roger Williams Hall is an attractive and commodious three-story brick building erected by the late Lewis W. Anthony, Esq., of Providence, R. I. This hall, formerly devoted to the needs of Cobb Divinity School, is now used for college purposes. The first floor is occupied by a large lecture room, two recitation rooms, a special library, a reception room, and a reading room. The other floors are used for dormitory purposes. The student suites in this building are unusually tasteful and convenient. They accommodate between forty and fifty young men. The entire building is heated by steam and lighted by electricity. This buillding is under the supervision of the Roger Williams Hall Association.

CORAM LIBRARY

Coram Library, dedicated in 1902 and named for Mr. Joseph A. Coram of Lowell, Mass., who contributed twenty thousand dollars towards its erection, is one of the most beautiful and best planned buildings of its kind. Its reading, reference, seminar, and stack rooms are models of taste and convenience. The furnishings throughout are of the most approved designs for modern libraries. One of the largest rooms has been reserved for the reception of statuary, bronzes, pictures, and curios that the friends of the College have been waiting to give when a suitable place should be provided.

Recent valuable gifts include casts of the Apollo Belvedere and the Diana of Versailles—both of heroic size. Under the will of the late George W. Harris of Boston, in commemoration of his intimate friendship with the first Benjamin E. Bates, the College has come into possession of a choice collection of music, including many rare manuscripts.

The large and rapid accessions of books render necessary an immediate increase in shelving capacity through the utilization of wall space in the periodical room. A second story in the stack room will soon be required. Individuals disposing of private libraries could find no better place in which to perpetuate the usefulness of rare and standard works.

GYMNASIUM

The Gymnasium, a two-story wooden building, with basement, is equipped with the usual appliances for physical development. It has been a very useful building; but it should give place as soon as practicable to a more capacious and substantial structure of modern design. A new Gymnasium adequate for our needs would cost $60,000.00.

PRESIDENT'S HOUSE

The President's House, a spacious and attractive two-story building originally erected for the President's residence, has since 1895 served as a dormitory for women students.

RAND HALL

Rand Hall, completed in 1905 for the women of the College, is a beautiful three-story building one hundred and twenty feet in length by forty-three in breadth.

By action of the Trustees at their annual meeting in June, 1908, this building was named Rand Hall in memory of Professor John Holmes Rand and his untiring efforts to assure a true college home to the women of Bates. It contains a large, well-equipped gymnasium, Fiske reception room for student social gatherings, rooms for the Dean and for the Director of the Women's Gymnasium, and for sixty young women, together with laundries, kitchens, dining-room, and all the appointments of a first-class women's hall.

MILLIKEN HOUSE AND WHITTIER HOUSE

The Milliken House and the Whittier House, through the generous consideration of Hon. C. A. Milliken, are now the property of the College. They are heated with steam and lighted with electricity and, together with the President's House and the New Dormitory, afford ample and up-to-date accommodations for the young women of the College.

CENTRAL HEATING PLANT

The people of Maine by the unanimous action of their Legislature during the session of 1909 generously recognized the service rendered by Bates College to educational work in their State by the appropriation of $45,000 for the construction of a Central Heating Plant for the Institution. This plant has just been completed under the supervision of competent engineers. It is expected that it will materially lessen the cost of heating the college buildings and that it will promote at once the health, the comfort, and the convenience of their occupants. In its construction, provision has been made for extending its advantages to buildings hereafter to be erected.

LIBBEY FORUM

Through the generosity of Honorable W. Scott Libbey, the Literary Societies and the Christian Associations of the College have been provided with large, beautiful and convenient rooms—one for each of the three Societies and a fourth for the Y. M. C. A. and the Y. W. C. A. The new building has been erected to stand, and is probably the most solid and substantial structure in Lewiston. It is complete in all of its appointments. Its spacious corridors, its convenient cloak and toilet rooms, its arrangements for heat and light, and its furnishings, are all in complete harmony with the general design; and the result is an ideal home for the Societies that have long been one of the most unique and attractive features of Bates. It was dedicated on October 1st, 1909, and is now regularly occupied by the organizations for the benefit of which it was erected. The building occupies the large lot on the northern side of Mountain Avenue at its junction with College Street. The completion of this hall has made available for important uses of the College the rooms that have been occupied for society purposes in Hathorn Hall and Parker Hall.

THE AUDITORIUM

For his original design of erecting one large building that should meet the needs of the College Societies and also contain an audience room for public occasions, Mr. Libbey has substituted the plan of two separate halls. The Auditorium is to be built upon some suitable site within the main campus. It will be an important and highly valued addition to our system of buildings, removing as it will, the present necessity of going a mile or more from our own grounds whenever we must provide for a large College gathering.

A NEW SCIENCE BUILDING

In January, 1908, Mr. Andrew Carnegie made a subscription of $50,000 for the erection of a new Science Building, his previous gift of the same amount having been for the increase of the general endowment. This second subscription will be paid when $50,000 of new endowment shall be raised in cash, or its equivalent in securities, for maintenance of the Science Department. Of this sum $25,000 have been subscribed, leaving $25,000 still to be secured. It is hoped and believed that the Alumni and other friends of Bates will show their appreciation of Mr. Carnegie's remarkable generosity by contributing at once the amount still lacking, and thus will ensure the erection of the building early in 1910. It will be devoted to the uses of the rapidly growing departments of Physics and Biology.

RESOURCES

Within a few years the resources of the College have been doubled. This has been due in large measure to the generosity of Mr. Andrew Carnegie and of Mr. Bartlett Doe, late of San Francisco, each of whom gave $50,000 toward increasing the endowment; $60,000, also, were given by alumni and other friends of Bates in response to a condition imposed by Mr. Carnegie. The total invested funds of the College at the present time amount to more than $600,000; and its total resources, including grounds, buildings, library, and apparatus, have a value of more than $1,000,000.

GEORGE COLBY CHASE LECTURE FUND

On Commencement Day, June 28, 1906, one of the Trustees of the College announced the creation of a fund of $5,000 by a friend whose name has not been disclosed, for the establishment of the George Colby Chase Lecture Fund for the maintenance of a permanent course of lectures to be known as the George Colby Chase Lecture Course. The purpose of the unknown donor is definitely disclosed in the following citation from a prescribed trust agreement since executed: "Fourth, That the income of said fund shall be used exclusively for the maintenance of Lecture Courses in said College, and that no part of said income shall be used for any other purpose. Fifth, That speakers shall be selected who have done something worthy of special commendation, who have a message and who can deliver it in such a manner as will be helpful to College students."

The far-reaching significance and substantial value of this lecture course for Bates students, thus made coeval with the life of the institution, can be better appreciated a century hence than now. This trust faithfully administered will break the isolation too often existing between the college and the world, and assure to every Bates man and Bates woman the quickening influences of great leaders in thought and achievement. The lectures thus far given under the provisions of this fund have been by Rev. Lyman Abbott, D.D., Rev. Hugh Black, D.D., Mr. George W. Cable, Professor R. W. Wood of Johns Hopkins University, Rev. Charles F. Aked, D.D., of New York and Henry S. Pritchett, President of the Carnegie Foundation for the Advancement of Teaching. Dr. Pritchett's lecture proved of great value, not only to the Faculty and the students of Bates, but also to the public school teachers of Lewiston and Auburn.

OTHER LECTURES AND ADDRESSES

Valuable addresses before the Faculty and the students have been given, also, during 1908-1909, by Rev. William A. Knight, Litt.D., of Boston; Rev. Henry Blanchard, D.D., of Portland; Hon. W. H. Judkins and Hon. F. A. Morey of Lewiston; L. M. Palmer, M.D., of South Framingham, Mass.; Hon. Walter E. Ranger, Commissioner of Education for Rhode Island; Rev. Roscoe Nelson, of Windsor, Conn.; Rev. F. E. Emrich, D.D., of Boston; E. E. Holt, M.D., of Portland; Hon. Herbert M. Heath of Augusta; Rev. W. H. Bowen, D.D., of Providence, R. I.; James H. Baker, LL.D., President of Colorado University; and George R. Parkin, Ph.D., Organizing Secretary of the Rhodes Scholarship Fund. Few colleges are equally favored with Bates by opportunities for bringing before their students representative thinkers and speakers.

THE PUBLIC SERVICE OF BATES

To all who can prize her contributions to the intellectual and moral forces that must save our country Bates can unhesitatingly appeal. The number of her graduates at the present time is 1,462.

Down to 1902, of her 965 graduates, 417 had become teachers—more than 43 per cent.—and 122 ministers, the latter being distributed among ten religious denominations. Fifty had filled positions in Universities and Colleges, and more than this number had won distinction as State, City, and District Superintendents and as Principals of important Secondary Schools. In authorship, on the Bench, in Legislation, in Journalism, Law, Medicine, and Engineering, she has had distinguished representatives; while nearly the entire body of her alumni have proved themselves pure, earnest, useful citizens, ready for every good word and work, and making happier and better the communities in which they have lived. The thorough preparation that Bates gives for public speaking is shown by the honors won in the last thirteen years in twenty out of twenty-three inter-collegiate debates—thirteen of these with Universities.

BATES AND THE CARNEGIE FOUNDATION

The high standards of scholarship maintained at Bates and the breadth and liberality of her administrative policy are indicated by the fact that she was admitted to the benefits of The Carnegie Foundation for the Advancement of Teaching in June, 1907. She has been characterized from the beginning of her history at once by her insistence upon Christian standards of character and conduct and by her freedom from sectarianism. Her original charter contained no denominational or creedal conditions; and the slight change from the breadth of management that had been made in 1893 was, by the unanimous vote of her Trustees, removed in 1906. Her application of Christianity to life finds expression in her supreme endeavor to educate her students for good citizenship and for self-denying service to mankind.

REASONS FOR AIDING BATES

1. To a large number of young men and young women she offers their sole reasonable hope for obtaining a liberal education.

2. She is recruiting the ranks of educators, East, South, and West, with a body of scholars and teachers of signal ability and influence.

3. She has been successful in securing character as well as scholarship.

4. She is unsectarian.

5. Her location is the best possible for her usefulness. She gathers from a constituency widening every year young men and young women of small means but of great promise, some of them traveling hundreds of miles to secure from her the New England culture of heart and mind, that they may use it for the good of our entire country.

6. She took up the cause of higher education for women when it was unpopular.

7. Every dollar given to her work strengthens the forces that are shaping our Christian civilization.

8. She has but $600,000 for carrying on work for which most New England Colleges require $2,000,000 or more.

SUMMARY OF NEEDS

1. $500,000 as an immediate addition to the permanent fund, in order to ensure the efficient maintenance of present work, the development of existing departments, the establishment of a chair of Education and a chair of History, and the increase of the salaries of the teachers to a living basis.

2. $25,000 to complete the $50,000 required to secure the $50,000 conditionally subscribed by Mr. Carnegie to erect our much needed building for the departments of Physics and Biology.

3. $10,000 for the suitable equipment of this building.

4. $20,000 for doubling the capacity of the present Chemical Laboratory.

5. $10,000 for renovating Science Hall and thoroughly equipping it as a dormitory. Our dormitory facilities for young men are already used to the utmost limit.

6. $5,000 to pay for the furnishing of Coram Library and to secure additional appliances.

7. $50,000 as a permanent fund for the Library.

8. $150,000 for additional Scholarships for deserving students.

9. $60,000 for the erection of a new Gymnasium for the men students.

10. $100,000 for the erection and maintenance of an Astronomical Observatory and the support of its Director.

11. $50,000 for the erection of a College Chapel.

12. $10,000 for the grading and improvement of the campus.

The total of the amounts named is more than $1,000,000. We can do a valuable work while waiting for some of these needs to be met; others of them are urgent; all of them are implied in the plan of our institution; and could they be met at once, the result would justify the outlay. The enlargement of the Chemical Laboratory, the erection and equipment of the Science Building above named and of a Gymnasium for the young men, and the grading and improvement of the Campus can be delayed only with serious loss to the College.

A COLLEGE CHAPEL NEEDED

The room on the second floor of Hathorn Hall that for forty years has served as a chapel, is now occupied to nearly its full limit, and in another year will scarcely afford seating, even when crowded, for the student body. A suitable college chapel reserved exclusively for religious services and for kindred purposes, would be of great value in the promotion of the moral and spiritual life of the college. Moreover, it would make practicable the division into much needed class rooms of the large room in which daily prayers are now held.

FORM OF A BEQUEST

"I give and bequeath to the President and Trustees of Bates College, a corporation existing in Lewiston, Me., the sum of ———— dollars, in trust, the principal of said sum to be safely invested by them, and the income thereof appropriated under their direction for the purposes of the College."

Scholarships

State Scholarships

There are ten State Scholarships (giving tuition to ten students) in the hands of the Governor; and in bestowing them preference is given to the children of those who have borne arms in defense of their country, and always to students who are needy and meritorious.

Each of the following scholarships has been endowed by a donation of one thousand dollars, and gives free tuition to the student elected to hold the scholarship.

Redington Scholarship—For a Lady Student

Endowed by the late Hon. Asa Redington, LL.D., of Lewiston. This is supposed to be the first instance of such an appropriation in any college.

Dudley Scholarship

Endowed by the late Alvin D. Dudley, Esq., of Haverhill, Mass.

Cheney Scholarship—For a Student from New Hampshire

Endowed by the late Hon. Person C. Cheney, A.M., of Manchester, New Hampshire.

Woodman Scholarship

Endowed by the Paige Street Free Baptist Church, Lowell, Mass., in memory of Rev. Jonathan Woodman, late pastor of the church.

Symonds Scholarship

Endowed by the Plymouth Street Free Baptist Church, Portland, in memory of Joseph Symonds, Esq., a deacon of the church.

Clements Scholarship

Endowed by the late Rev. Tisdale D. Clements of Lewiston.

Bridge Scholarship

Endowed by the late Charles Bridge, Esq., of Gardiner.

Lewis Scholarship

Endowed by the late Chace Lewis, Esq., of Providence, Rhode Island.

Class Scholarship

Endowed by the class of 1877.

Bartlett Scholarship

Endowed by the Main Street Free Baptist Church, Lewiston, in memory of Rev. Flavel Bartlett.

Nathaniel Bowen Scholarship

Endowed by the late Mrs. Hannah Bowen of Providence, Rhode Island.

Cobb Scholarship

Endowed by the late Hon. C. C. Cobb of Lewiston, in memory of his son, Rev. Frank Woodbury Cobb, A.M., class of 1873.

Houghton Scholarship

Endowed by the late Rev. Alphonso L. Houghton, A.M., of Lawrence, Mass., class of 1870.

Randall Scholarship

Endowed by Mrs. Abby Randall in memory of Isaac Randall, Esq., of Johnston, R. I.

Williamson Scholarship

Endowed by Elias W. Williamson, Esq., of Potter's Landing, Md., in memory of his father, Rev. Stephen Williamson, of Stark.

Quinnam Scholarship

Endowed by Mrs. James Hobbs of Chicago, Ill., in memory of her father, Rev. Constant Quinnam.

Eaton Scholarship

Endowed by Mrs. Oliver H. Durrell of Cambridge, Mass., in memory of her father, Rev. Ebenezer G. Eaton of Lewiston.

Baldwin Scholarship

Endowed by the late B. C. Baldwin, Esq., of Lowell, Mass., in memory of his wife.

Bonney Scholarship

Endowed by Mrs. Harriet Cheney Bonney and Sherman G. Bonney, M.D., in memory of Calvin F. Bonney, M.D., of Manchester, N. H.

Frye Scholarship

Endowed by Hon. William P. Frye, LL.D., of Lewiston.

Nutting Scholarship

Endowed by the late Lyman Nutting, Esq., of Lebanon, Pa., in memory of his sister, Mrs. Charlotte Nutting Chadbourne.

Ellis Scholarship

Endowed by the late Miss M. A. Wales of Boston, Mass., in memory of her pastor, Rev. Rufus Ellis, D.D.

Talpey Scholarship

Endowed by the late Hon. Charles W. Talpey of Farmington, N. H.

Thissell Scholarship

Endowed by Mrs. Abby T. Deering of Portland, in memory of Hon. John Thissell of Corinth.

Ward Scholarship

Endowed by Mrs. Mary E. Ward, in memory of her husband, Warren Ward, Esq., of Auburn.

Bean Scholarship

Endowed by Cyrus E. Bean, Esq., of Portland, in memory of his father, Cotton Bean, Esq., of Limerick.

Small Scholarship

Endowed by James T. Small, Esq., of Lewiston, in memory of his son, Everett J. Small, class of 1889.

Dyer Scholarship

Endowed for the benefit of some student preparing for the Christian ministry, by the late Mrs. Irene M. Higgins, in memory of her parents, Mr. and Mrs. Jonah Dyer of Cape Elizabeth.

Page Scholarship

Endowed by Peter Page, Esq., of New York City.

Ramsey Scholarship

Endowed by the late Mrs. V. G. Ramsey of North Berwick, in memory of her husband, Rev. G. P. Ramsey.

Mathews Scholarship

Endowed by the late John M. Mathews, Esq., of Burlington, Vt., in memory of his daughter, Orissa Frances Mathews.

Perkins Scholarship

Endowed by Mrs. Moses W. Shapleigh of Ashland, N. H., in memory of her father, Rev. Thomas Perkins.

Woodbury Scholarship

Endowed by friends of the late Charles Woodbury of Boston, for the benefit of some Methodist student.

Harmon Scholarship

Endowed by the late Ivory W. Harmon of Newton Center, Mass., in memory of his son, Wallace Ivory Harmon.

Mary L. Stone Scholarship

Endowed by the late James S. Stone of Boston, Mass., in memory of his wife.

Jordan Scholarship

Endowed by Merrill Page and Emily Deering Jordan, in honor of Rev. Zachariah and Sabrina Page Jordan.

Clapp Scholarship

Endowed by the late Lucius Clapp, Esq., of Randolph, Mass.

Weber Scholarships

The trustees, under the will of the late Frederick E. Weber of Boston, Mass., have given five thousand dollars for the maintenance of Weber Scholarships, for the benefit of needy and deserving students at Bates College. It is a condition of the gift that one-half of the income shall be added to the principal year by year; and that the remaining half only shall be used for the support of said scholarships.

Lovina Haines Haskell Scholarship

Endowed by Edwin B. Haskell of Boston, Mass.

Fiske Scholarship

Endowed by the late Miss Elizabeth S. Fiske of Boston, Mass.

Rowe and Clarry Scholarships

Endowed by a bequest of Mrs. Emily H. C. Rowe, in memory of her daughter, Miss Emma F. Clarry, and affording free tuition to four young women, preference to be given to worthy students from Brooks, Me.

Dexter N. Richards Scholarship

Endowed by Mrs. L. M. Richards of Brookline, Mass., in memory of her husband.

Stetson Scholarship

Endowed by the late Amos W. Stetson of Boston, Mass.

John D. Philbrick Scholarship

Endowed by the late Mrs. John D. Philbrick.

William Wells Cate Scholarship

Endowed by Rev. C. E. Cate, D.D., of Providence, R. I., in memory of his brother.

E. S. Jordan Scholarship

Endowed by the late Mrs. Clara Stanton Jordan, in memory of her husband.

Coe Scholarship

A scholarship of $3,000, endowed by Thomas Upham Coe of Bangor, in memory of his brother, Eben Smith Coe. The income is awarded annually to the man in the Senior Class whose scholarship and conduct, during the previous three years of the course, have been the most meritorious. The award is made at the close of the Junior year.

The Knowlton Scholarships

Hon. Hiram Knowlton of Portland, Maine, has deposited with the Treasurer of the College $3,000, the income of which sum is to be used, when under the stipulated conditions it shall become available, for the maintenance of the following scholarships:

William and Mary Knowlton Scholarship

To perpetuate the names of his parents.

Sabrina Wood Knowlton Scholarship

To perpetuate the name of his wife.

William James Knowlton Scholarship

To perpetuate the name of his son.

Joseph S. Ricker Scholarship Fund

A fund of $10,000 to ensure free tuition to deserving women students—the beneficiaries to be selected, whenever practicable, from different counties in Maine.

Foster Lee Randall Scholarship

Endowed by the late Foster Lee Randall of Lewiston.

Stanley Scholarship

Endowed by Ezra B. Stanley of Manchester, Mass.

David and Thankful Jordan Scholarship

Endowed by their children.

Hopkins Scholarship

Endowed by the late Augustus Hopkins, Esq., of Gardiner, Maine, preference to be given worthy students from Gardiner.

Herrick Scholarship

Endowed by Katherine Gardiner Herrick and H. Adeliza Herrick of Lewiston, in memory of their parents, Samuel and Phebe H. Herrick, late of Northport, Me.

Tarbox Scholarship

Endowed by Oren Cheney Tarbox, M.D., Bates '80, in honor of his parents, Rev. Moses H. and Mrs. Adrianna Weymouth Tarbox. Said scholarship to be applied for the aid of any deserving student, irrespective of age, color, sex or sect, preference being given, however, to a student contemplating the Christian ministry.

Osgood Scholarship

Endowed by Col. Charles H. Osgood of Lewiston, and Amy Elizabeth Hunter of Carbondale, Pa., in honor of their father and mother, Henry A. and Elizabeth H. Osgood, for the benefit of some young man or woman from the State of Maine.

Albina Elizabeth Goodspeed Scholarship

Endowed by Jessie L. Goodspeed, Gertrude C. Goodspeed, and Henry S. Goodspeed, of the city of New York, in memory of their mother,—the preference in awarding the scholarship to be given to a woman student.

Class Scholarship

Endowed by the class of 1887, descendants of members of the class to have the preference, when possible, in the benefits from the scholarship.

Arthur Sewall Whitehouse Scholarship

Endowed by the Class of 1875, in memory of their scholarly and beloved classmate, born August 25, 1853, died February 18, 1874.

Charles E. Moody Scholarship

Endowed by his sister, the late Frances S. Moody.

John P. Hilton Scholarship

Endowed by the late Mrs. Mary Hilton of Cambridge, Mass., in memory of her husband.

Clara B. Perkins Scholarship

Endowed by the late Benjamin F. Perkins, of Bristol, N. H., in memory of his daughter.

Lucia Spring Scholarships

Five scholarships endowed by Miss Mary Isabella Corning, of East Hartford, Conn., in memory of her aunt, Miss Lucia Spring. These scholarships are primarily available for young women, but may be assigned to young men.

Herbert L. Bradford Scholarship

Endowed by his parents, Roscoe S. and Asenath J. Bradford, in memory of their son, Herbert Loring Bradford, who died in 1883 during the first term of his Freshman year at Bates,—for the benefit of a deserving young man.

Bradstreet Fund

Mr. William W. Bradstreet of Gardiner, Me., has established a Trust Fund of $2,000, the income of which is to be used for the benefit of deserving students, under the direction of the President of the College, and in accordance with certain conditions specified in the trust.

Nancy Chase Edgecomb Fund

Since the suspension in 1908 of Cobb Divinity School as a Department of Bates College and the incorporation of certain of its courses with the work of the College there has been available "for and toward the maintenance and education" in the institution of "young men who are or who may be preparing themselves to preach the Gospel of Christ" and to engage in other kinds of Christian service, "and who need and who may need aid," the income of the Nancy Chase Edgecomb Fund. The amount of this income is at present about $740 annually. It is distributed by the Committee on Scholarships under the conditions above stated.

In order to be eligible for Scholarships or for any other form of Student Aid, applicants must be of good character, must totally abstain from the use of intoxicants and of tobacco, must be economical in all their expenditures and obedient to all College laws and regulations, and must maintain a certain average in their studies.

Prizes

First — For General Scholarship

To a young man and to a young woman of the Junior Class, prizes of TEN DOLLARS each.

To a young man and to a young woman of the Sophomore Class, prizes of EIGHT DOLLARS each.

To a young man and to a young woman of the Freshman Class, prizes of SIX DOLLARS each.

Second — For Excellence in Declamation

In the Second Term—To a young man and to a young woman of the Freshman Class, prizes of TEN DOLLARS each.

In the First Term—To a young man and to a young woman of the Sophomore Class, prizes of TEN DOLLARS each.

In the Third Term—To members of the Junior Class, one prize of SEVENTY-FIVE DOLLARS and one prize of TWENTY DOLLARS for original declamation.

Third — For Excellence in English Composition

In the Third Term—To a member of the Sophomore Class, a prize of TEN DOLLARS.

Fourth — For Prescribed Course in Reading

At the close of the year a prize of TWENTY DOLLARS is presented by Professor Oliver C. Wendell, of Harvard University, to the member of the Freshman Class giving evidence of having obtained the best results from a prescribed course in reading.

Fifth — For Excellence in Public Debate

Second Term—To a member of each division of the Sophomore Class, a prize of TEN DOLLARS.

Third Term—The Champion Debate—Prizes amounting to twenty-five dollars; ten dollars for the best debate, and fifteen dollars to the best team. Six are chosen from the Sophomore Class to compete for these prizes.

Hon. F. M. Drew awards annually solid gold medals to men who win intercollegiate debates.

Sixth — The Bryant Prize

Through the generosity of Mr. W. H. H. Bryant of Boston, Mass., a prize of FIFTY DOLLARS will be awarded annually to the member of the Senior Class who shall prepare the best essay upon "Arbitration instead of War."

Seventh — The Coe Scholarship

A scholarship of $3,000, endowed by Thomas Upham Coe of Bangor, in memory of his brother, Eben Smith Coe. The income is awarded annually to the man in the Senior Class whose scholarship and conduct, during the previous three years of the course, have been the most meritorious. The award is made at the close of the Junior year.

For the past year the prizes have been awarded as follows:

For General Scholarship—Charles A. Magoon, Nellie M. Jack, Frederick R. Weymouth, Gulie A. Wyman, Ray A. Clement, Elizabeth M. Campbell.

For Public Declamation in 1909—To the Freshman Class, Harry W. Rowe, Jessie W. Alley; to the Sophomore Class, Wayne E. Davis, Jessie W. Alley.

For Original Declamation, 1909—Jessie H. Nettleton, Peter I. Lawton.

For English Composition—Horace F. Turner, 1911.

For best results from Prescribed Reading—Clarence I. Chatto, 1911.

For Public Debate, 1909—Le Roi Harris, Walter E. Mathews, Robert M. Pierce, Wallace F. Preston, Bernt O. Stordahl, Frederick R. Weymouth.

For Champion Debate, 1909—Robert M. Pierce; the best team, Le Roi Harris, Wallace F. Preston, Bernt O. Stordahl.

The Bryant Prize, 1909—Rodney G. Page.

The Coe Scholarship, 1909—Charles A. Magoon.

In the Intercollegiate Debate with Queen's University, the winning team consisted of John M. Carroll, '09, Peter I. Lawton, '10.

The members of the above team received the F. M. Drew medals.

In the Intercollegiate Debate with Clark College, the losing team consisted of Rodney G. Page, '09, John B. Sawyer, '09, Stanley E. Howard, '10.

In the Sophomore Debate with the University of Maine, the winning team consisted of Wallace F. Preston, Robert M. Pierce, Bernt O. Stordahl.

For special proficiency in the work of any department, a student may receive an honorary appointment as assistant in that work. Such appointments for the present year are as follows: Biology, Charles A. Magoon, John H. Moulton; Chemistry, Carl Z. Jackson; English, Peter I. Lawton, Eva M. Schermerhorn, Walter J. Graham, Elizabeth F. Ingersoll; Latin, Stanley E. Howard, Gulie A.

Wyman; Mathematics, Roy M. Strout; Oratory, Peter I. Lawton, Jessie H. Nettleton; Physics, Frank A. Smith, Frederick R. Weymouth.

The editors of the *Bates Student* for 1909 are Walter J. Graham, Freeman P. Clason, Irving H. Blake, Rita M. Cox, Elisabeth F. Ingersoll, Gulie A. Wyman.

STUDENTS

Senior Class

NAME	RESIDENCE	ROOM
Andrews, Delbert Elvin	Jefferson	34 S H
Archibald, Grace	Houlton	16 R H
Barker, Nellie Annette	Auburn	177 Cook Street, Auburn
Bean, Orel Merton	Pittsfield	27 R W H
Bolster, Morton Virgin	South Paris	8 P H
Boulia, Agnes Louise	Laconia, N. H.	2 R H
Brown, Melissa	Richmond	2 R H
Bryant, Alice Monroe	Auburn	72 James Street, Auburn
Buker, William Hall	Monmouth	18 P H
Burnham, Alice Alden	Auburn, R. F. D. 7	
Cole, Roy Emerson	South Paris	9 P H
Crockett, Alice Robinson	Freeport	44 Cottage Street
Crockett, Adelina Estelle	Freeport	229 Oak Street
Cummings, Ralph Burtram	Auburn	33 P H
Dorman, Horatio Nelson	Franklin, N. H.	2 R W H
Eaton, Mabel	Auburn	22 Drummond Street, Auburn
Edwards, Jane Curtis	Madison	425 Main Street
Edwards, Jennie Hazel	Madison	M H
Farnham, Olive Lillian	Warren	16 R H
Farnsworth, Everett Leslie	South Framingham, Mass.	2 R W H

Greenleaf, Gladys Maud	Lisbon Falls	3 R H
Hall, Alice Parsons	Turner Center	24 R H
Hall, Myrta Alice	Lewiston	164 Holland Street
Hamilton, Georgia Townly	Chebeague Island	20 R H
Harlow, Grace	Gorham	26 R H
Harmon, Martha Isadore	Penacook, N. H.	C H
Harriman, Ray Wilkins	Gardiner	23 P H
Howard, Stanley Edwin	Springfield, Mass.	13 H H
Jack, George Edwin	Bowdoinham	P H
Jackson, Carl Ziegler	Clinton, Mass.	36 P H
Jones, Mildred Iris	Springfield, Mass.	7 R H
Kemp, Ida Boynton	Kingston, N. H.	26 R H
Kendrick, Cyrus Maxcy	Litchfield Corners	18 P H
Kidder, Frances Patten	Richmond	195 College Street
Lawton, Peter Ignatius	Auburn	39 Cook Street, Auburn
Leland, Christine	Minot	W H
Little, Sarah Eliza	Merrimac, Mass.	M H
Longfellow, Anna Bartlett	Monmouth	22 R H
Loring, Fred Milton	Auburn	253 Turner Street, Auburn
Lucas, Fay Ellwood	St. Albans	32 P H
Luce, Leon Alex	Dryden	1 P H
Magoon, Charles Alden	St. Albans	21 P H
Martin, Fred Henry	York Village	94 Nichols Street
Merrill, Charles Elmer	South Paris	8 P H
Merrill, Nettie May	Patten	27 R H
Mitchell, Beulah	Lubec	M H
Moulton, John Henry	Limington	1 P H
Nettleton, Jessie Hague	Pembroke, N. H.	C H
Niles, Lena Mabel	Dryden	27 R H

Nutting, Nellie Sophronia	West Boylston, Mass.	C H
Orr, Lewis Jordan	Portland	12 P H
Parsons, Katherine May	Lewiston	12 Prescott Street
Parsons, Ruby Marion	Auburn	399 Court Street, Auburn
Peasley, Charles Harold	Lewiston	106 Bartlett Street
Perry, Florence Helen	Wrentham, Mass.	6 R H
Pert, Minnie Warren	Richmond	C H
Phillips, Nathaniel 2d	Marshfield Hills, Mass.	27 P H
Pinkham, Florence Ada	Lewiston	151 Nichols Street
Pomeroy, Ray E.	Lewiston	9 R W H
Porter, Amorette	Pittsfield	239 Sabattus Street
Porter, Juanita Douglass	Lewiston	45 Wood Street
Powers, John Herrick	Lancaster, N. H.	13 H H
Quimby, Clarence Paul	North Turner	8 P H
Quinn, Elton Leroy	Pittsfield	21 P H
Ramsdell, Guy Harry	West Lubec	9 P H
Schermerhorn, Eva Mildred	Kennedy, N. Y.	C H
Smith, Frank Albert	Gardiner	34 S H
Taylor, Alta Carmen	Wells	7 R H
Thurston, Paul Cleveland	Bethel	9 P H
Verrill, Clara Elizabeth	Cumberland Mills	23 R H
Vinal, Mildred Holman	Vinalhaven	24 R H
Vinal, Nelly Parker	Vinalhaven	3 R H
Whitehouse, Helen Margaret	Auburn	32 Second Avenue, Auburn
Wood, Herbert Wilbur	East Corinth	

Junior Class

NAME	RESIDENCE	ROOM
Andrews, Waldo Vanderbilt	Jefferson	34 S H
Barnard, Hazel Belle	Lewiston	226 College St
Bishop, John Garfield	Houlton	17 P H
Blake, Irving Hill	Augusta	1 P H
Blossom, Deborah Belle	Turner Center	R H
Brann, Una Eliza	Kittery	M H
Callahan, Beatrice Frances	Lewiston	206 Middle Street
Chamberlain, Pauline Burnham	Portland	35 R H
Chandler, Irene May	Portland	5 R H
Chase, Edna Baker	Portland	46 R H
Cheetham, Charles Lee	Lewiston	88 Webster Street
Clason, Charles Russell	Gardiner	19 P H
Clason, Freeman Pell	Gardiner	19 P H
Clifford, Caroline Mabelle	South Paris	M H
Cox, Gertrude Annie	Poland, N. Y.	M H
Cox, Rita May	Lewiston	27 Vale Street
Cox, Sidney Hayes	Poland, N. Y.	26 R W H
Crockett, Elsie Beulah	Freeport	28 Frye Street
Curtis, Emma Zilpha	Silver's Mills	M H
Damon, Lawrence Wilson	Marshfield Hills, Mass.	27 P H
Davis, Helen Juniata	Auburn	32 R H
Douglas, Chester Augustine	Lisbon	11 P H
Dow, Ralph Pennell	Gray	6 R W H
Dow, Sarah Helena	Bolton, Mass.	5 R H
Dunfield, Isaac Burten	Glenvale, N. B.	15 P H
Dunn, Howard Westmont, Jr.	Ellsworth	2 P H

Dwinal, Genevieve Ella	Auburn	20 Highland Avenue, Auburn
Erskine, Justus Stanley	Meredith, N. H.	11 P H
Field, Mae Muzzy	South Paris	4 R H
Fisher, William Livingstone	Manchester, N. H.	21 R W H
French, Gertrude May	Turner	35 R H
Graham, Walter James	Topsham	32 R W H
Green, Everett Welles	Rockland	31 P H
Guptill, Roger Stillman	Berwick	16 S H
Hackett, Beulah Frances	Lewiston	108 Oak Street
Hamilton, Marion Lovina	Falmouth	
Harris, Le Roi	Chelsea, Mass.	16 Frye Street
Hayes, Susan Elsie	Rochester, N. H.	W H
Hewett, Frances Evelyn	Rockland	W H
Hillman, Frederick Walter	Island Falls	22 P H
Hines, Marcella Mildred	Washburn	32 Cottage Street
Houdlette, Nola	Dresden Mills	M H
Howard, Lewis Warren	Townsend, Mass.	10 P H
Howard, Lura Maude	Foxboro, Mass.	23 R H
Huntington, Ray Merton	Gardiner	31 P H
Ingersoll, Elisabeth Frances	Auburn	223 Center Street, Auburn
Jenkins, Edna Marguerite	Falmouth, Mass.	11 R H
Jose, Lillian Charlotte	Portland	33 R H
Keaney, Frank William, Jr.	Cambridge, Mass.	47 P H
Kemp, Marion Tabor	Kingston, N. H.	363 Main Street
Kincaid, Isabell Montgomery	South Portland	15 R H
Knowles, Mary Ellen	Lubec	M H
Leard, Hazel Pearl	Portland	32 R H
Lewis, Grace Marion	Gardiner	45 R H
Little, Eulela Maud	Gardiner	44 R H
Lombard, Clarence Willard	South Portland	13 P H
Lord, Charles Emerson	Lisbon Falls	24 P H

Lovely, Eugene Vernon	Gardiner	13 P H
Lowe, Elsie Washburn	Minot	43 R H
Manter, Marion Edna	Whitefield, N. H.	21 R H
Marr, Alberta Maddocks	Pemaquid Point	M H
Marston, Annie Stanton	Center Sandwich, N. H.	13 R H
Mathews, Walter Ellwyn	St. Albans	23 P H
McCann, Sarah Webster	Mechanic Falls	4 R H
McKee, Charlotte Winifred	Bozeman, Mont.	25 R H
McKusick, Leon Roy	Guilford	10 P H
Morrison, William	Lewiston	129 East Avenue
Morse, Alvin Strickland	Kingfield	38 S H
Moulton, Louisa	Center Sandwich, N H.	42 R H
Nichols, Ambrose Jennings	Manchester, N. H.	49 P H
Parsons, Grace Ina	Bangor	25 R H
Peakes, John Edwin	St. Albans	23 P H
Pelletier, John Baptiste	Keegan	16 P H
Pemberton, Edith May	Lewiston	179 Pine Street
Pierce, Robert Milton	Lewiston	2 R W H
Pingree, Helen Spofford	Auburn	11 R H
Preston, Wallace Franklin	Brockton, Mass.	6 P H
Quincy, Frank Brick	Masardis	17 P H
Randlett, Lillian Arvilla	Lawrence, Mass.	6 R H
Ray, Carrie Agnes	North Adams, Mass.	36 R H
Richardson, Frank Benjamin	Monmouth	11 P H
Robertson, Harold Chester	St. Albans	14 P H
Robinson, George Henry	Lewiston	126 Russell Street
Rollins, Lyman	Concord, N. H.	
Stanhope, Effie Mae	Foxcroft	21 R H
Stevens, Carl Mantle	Auburn	22 Lake Street, Auburn
Stordahl, Bernt O.	Baltic, S. D.	68 Wood Street
Strout, Roy Merrill	Steep Falls	25 P H

Stuart, Fred Roebling	Lewiston	125 Wood Street
Tasker, Winifred Grace	Dexter	M H
Taylor, Charles Edward	Lisbon Falls	24 P H
Tebbetts, Arthur	Berwick	17 R W H
Thorpe, Willis Elwood	Sabattus	Sabattus
Towle, Ruth Ann	North Danville, N. H.	43 R H
Townsend, Drusilla Irene	Abbot Village	33 R H
Turner, Horace Franklin	Montowese, Conn.	4 R W H
Waldron, Mary Cook	North Vassalboro	46 R H
Walsh, Walter Harrison	Somersworth, N. H.	17 R W H
Watson, Warren N.	Auburn	14 Laurel Avenue, Auburn
Weymouth, Frederick R.	Troy	25 P H
Webber, Lenora Goldie	York Village	M H
Whipple, Ralph Clarence	Gonic, N. H.	6 P H
Whittier, Elizabeth Marian	Gorham	34 R H
Williams, John Lincoln	Worcester, Mass.	19 P H
Wright, Mary Payson	Wiscasset	42 R H
Wyman, Gulie Annette	Manchester, N. H.	13 R H

Sophomore Class

NAME	RESIDENCE	ROOM
Abbott, Charles Ham	Presque Isle	P H
Adams, Enoch Hermon	Belgrade	49 P H
Adams, Frank Clason	Belgrade	49 P H
Aikins, Ellen May	South Windham	C H
Allen, Samuel Leone	Fairfield	18 P H
Alley, Jessie Winnefred	Auburn	83 Gamage Ave., Auburn
Astle, Amelia Maude	Houlton	M H
Atkinson, June	Brunswick	C H
Audley, Mary Elisabeth	Gorham, N. H.	13 Cottage Street
Bachelder, Eugene Earle	Gardiner	12 R W H
Barron, George Harris	Lewiston	134 Wood Street
Bartlett, George Maynard	Lewiston	8 Vale Street
Bassett, Roscoe Conkling	Alton, N. H.	P H
Beard, George Homer	Lewiston	28 P H
Beek, Charles Herbert	Calais	30 R W H
*Bickford, Harry Melvin	Carmel	26 R W H
Blaisdell, Leo Wasgatt	East Franklin	10 Frye Street
Blanchard, Vaughn Seavy	Manchester, N. H.	20 P H
Bly, Carlton	Manchester, N. H.	20 P H
Bolster, Ralph Harold	Easton	10 P H
Bonney, Clinton Howard	Auburn	35 Josslyn Street, Auburn
*Brackett, Vernon Kilby	Milbridge	31 First Avenue, Auburn

Bridgham, Zela Mae	Auburn	15 Forest Avenue, Auburn
Brown, Clarence Huberto	Island Falls	4 R W H
Brunner, George Edward	Plainville, Mass.	30 P H
Brunquist, Ernest Herman	Attleboro, Mass.	36 R W H
Buck, Albert Whitehouse	Orland	51 P H
Campbell, Elizabeth Mason	Westbrook	M H
Carroll, James Henry	No. Attleboro, Mass.	47 P H
Carville, Alonzo	Minot	P H
Cave, Gordon Luther	Rochester, N. H.	42 P H
Chamberlain, Ross Parker	Pittsfield	146 Wood Street
Chandler, Eleanor Hope	Presque Isle	M H
Chatto, Clarence Irving	Sargentville	43 P H
Chesley, Clair Vincent	Auburn	42 P H
Clarke, Zoa Emily	Newcastle	W H
Clement, Ray Allan	Derry Village, N. H.	36 S H
Cooper, Georgia Mabel	Auburn	36 R H
Davis, Hubert Paul	Lewiston	8 Parker Avenue
Davis, Wayne Edward	Rochester, N. H.	36 R W H
DeCoster, Cleora Matenah	Buckfield	W H
Deering, Helen Isabel	East Denmark	377 Main Street
Dexter, Burt Lee	Whitefield, N. H.	31 R W H
Doe, Charles Tristram	South Effingham, N. H.	31 S H
Downing, Ethel Elizabeth	Auburn	67 Pleasant Street, Auburn
Dunlap, Minerva Francis	Bowdoinham	C H
Dwyer, Agnes Cecilia	Stoughton, Mass.	M H
Estes, Alice Effie	Auburn	18 Laurel Avenue, Auburn
Fletcher, Walter Ray	Dryden	70 Elm Street
Ford, Perley Harvey	Kennebunkport	27 R W H
French, Grace Amanda	Turner	W H
French, Stanley Increase	Corinna	21 R W H

Fuller, Edward Hersey	Auburn	9 Maple Street, Auburn
Gray, Florence	Lewiston	166 Holland Street
Grindle, Wade L.	South Penobscot	43 P H
Ham, Austin Russell	Lewiston	107 Nichols Street
Harmon, Reginald Frank	Abbot Village	P H
Hodgdon, Fredrika Ernestine Lewis	Portland	31 R H
Hodgkins, Alton Ross	Damariscotta Mills	22 P H
Howard, Hazel Egeria	Lewiston	80 Walnut Street
Humiston, Ruth Tarbell	East Jaffrey, N. H.	C H
Irvine, Iantha	Presque Isle	M H
Jecusco, Frederick Paul	Ansonia, Conn.	47 P H
Jenness, Ellwood Stephen	Dover, N. H.	29 P H
Jennings, Albert Eaton, Jr.	Auburn	6 Hunton Place, Auburn
Johnson, Harry Arthur	Minturn	37 P H
Jones, Annabel Mae	South China	C H
Kierstead, Fred H.	Merrimac, Mass.	87 Wood Street
Kincaid, Abigail Margaret	South Portland	15 R H
*Knights, Charles Clarke	Marshfield Hills, Mass.	37 P H
Lamorey, Jesse James	Manchester, N. H.	20 P H
Lewis, Flossie May	Biddeford, Me.	597 Main Street
Lovejoy, Maude E.	North Chesterville	R H
Lovell, William Edwin	West Springfield, Mass.	36 P H
Lowry, Harry Havelock	Providence, R. I.	247 College Street
McGraw, Helen Elisabeth	Lewiston	45 Lowell Street
McLean, Mary Emma	Augusta	27 Vale Street
Mann, Edna Winifred	Miller's Falls, Mass.	34 R H

Merrill, Earle Duley	Madison	12 R W H
Meserve, Helen Katherine	Jackson, N. H.	M H
Monk, Guy Maxwell	North Bridgton	113 Holland Street
*Morrison, Arthur Chester	Ashland, N. H.	14 P H
Morse, Mary Chadbourne	Waterford	M H
Neal, Beatrice Evelyn	Auburn	45 Jefferson Street, Auburn
Nevers, Frank Alexander	Houlton, Me.	20 Davis Street
Noyes, Wilhelmina Irene	Auburn	9 Vernon Street, Auburn
Pingree, Mary	Falmouth, Mass.	41 R H
Purington, Clara May	West Bowdoin	45 R H
Quimby, Francena	Auburn	122 Seventh Street, Auburn
Rand, Albert Ayer	Bradford, Mass.	28 Frye Street
Redman, Mary Evangeline	Newport	M H
Remmert, William Frederick	Stafford, Conn.	28 P H
Rhoades, Carl Tracy	Harmony	144 Wood Street
Richards, Alice Helen	East Livermore	C H
Rideout, Florence Annie	Norway	335 Sabattus Street
Ring, Christina Isabell	Lewiston	67 Walnut Street
Robinson, Melissa Flora	Dover	M H
*Roseland, Harold Tribou	Unity	20 P H
Ross, Bernard	Lisbon	Lisbon
Rounds, Ada Rosenburg	Mechanic Falls	45 R H
Rouse, Ethelyn Daisy	Washburn	M H
Rowe, Harry Willson	Pittsfield	19 R W H
Sawtelle, Verna Maritta	Auburn	8 Granite Street, Auburn
Smith, Angie	Woodbury, Conn.	C H
*Smith, Leonard Seymour	Shelburne Falls, Mass.	27 P H
Spiller, Roxanna Elizabeth	East Barrington, N. H.	C H

Stanhope, Charles Nason	Foxcroft	36 R W H
Stearns, Josephine Barker	Norway	M H
Sweetser, Mary Ruth	Auburn	41 R H
Tubbs, Margaret Thurston	Lewiston	129 Wood Street
Tucker, John Richard	Litchfield	41 P H
Turgeon, Frances Lunette	Lewiston	139 Horton Street
Turner, Clair Elsmere	Harmony	27 R W H
Tuttle, Roy Melvin	Freeport	S H
Twombly, Belle Louise	Worcester, Mass.	C H
Welch, Howard Abner	North Attleboro, Mass.	6 R W H
Whitman, Wheatie Clare	Lewiston	95 College Street
Yeaton, Donna Lillian	Belgrade	C H
Yeaton, Paul M.	Belgrade	28 P H

*Provisional candidates for a degree.

Freshman Class

NAME	RESIDENCE	ROOM
*Allen, Barnard Llewellyn	East Dixfield	70 Elm Street
Allen, Lloyd Carroll	Auburn	R F D 7, Auburn
Alley, Harold Cushman	Auburn	10 Pearl Street, Auburn
Annis, Bessie Walker	Dover, N. H.	W H
Atto, Bessie Mae	Bethlehem, N. H.	W H
Ballard, Margaret Aimee	Fryeburg	M H
Barrows, Marjorie Augusta	Sangerville	87 Wood Street
Bartlett, Harold West	Auburn	305 Centre Street, Auburn
Bennett, Warren Leroy	North Bridgton	70 Elm Street
Bessey, Elwood George	Dexter	137 Nichols Street
Blake, Verne	Haverhill, Mass.	31 R H
Bonney, Ralph Merrill	Turner Center	117 High Street, Auburn
Bosworth, Elliott Beaman	Winchendon, Mass.	145 Nichols Street
*Brady, James Tracey	Holbrook, Mass.	99 College Street
Brown, Ada Caroline	Presque Isle	W H
*Brown, Harry Wallace	Whitinsville, Mass.	15 P H
Burdick, Roy Mason	Dexter	P H
Cameron, Vera Catherine	Fryeburg	M H
*Cash, Leon Eugene	Oxford	44 P H
Clacey, Edith Reed	Lewiston	70 Howe Street
*Conklin, George F., Jr.	Boston, Mass.	R W H
Conner, Grace Jarvis	Auburn	15 Weaver Street, Auburn

*Cooper, Herbert Almon	Berwick	237 Oak Street
Corey, Verna May	Dexter	M H
Currier, Elaine	Andover, N. H.	M H
Currier, Hazel Narinda	Andover, N. H.	M H
Cutts, Ethel Batson	Merrimac, Mass.	W H
Dacey, Charles Walter Elmer Carlton	Auburn	Main Street, Auburn
*Davis, Blynn Edwin	Bridgton	
Day, Florence Augusta	West Kennebunk	W H
Deering, Walter Preston	East Denmark	34 P H
*De Lano, Alton Irwin	Oxford	45 P H
Dexter, Daniel Sheehan	Lewiston	32 Bartlett Street
Dickson, John Hewson, Jr.	Lewiston	38 Davis Street
Dickson, Margaret Henrietta	Lewiston	38 Davis Street
Dolloff, George Ronello	Wiscasset	40 S H
Doughty, Elizabeth Emily	Lisbon Falls	W H
Durrell, Lynne Howard	Kingfield	148 Nichols Street
Dyer, Edna Caroline	South Portland	W H
Emmons, George Hinckley	Lewiston	88 Howe Street
Evans, Signa Louise	Newport, N. Y.	M H
Fales, Ione Bertha	Lewiston	3 Shawmut Street
Farnum, Frank Paine	New Gloucester	29 R W H
Feinberg, Abraham Selig	Marshfield, Mass.	37 P H
*Fish, Clarence Ralph	Appleton	28 Davis Street
Folsom, Annie Lora	Lewiston	66 Shawmut Street
French, Ernest Leroy	Kezar Falls	P H
George, Edith Adeline	East Walpole, Mass.	M H
Goodwin, Earl Clinton	Auburn	87 Wood Street
Goss, Marguerite	Lewiston	94 Nichols Street
Goudy, Mildred Irene	South Portland	W H
Gove, Guy Harold	Dexter	91 Elm Street
Graham, Jeanie Sewell	Warwick, Mass.	W H
Griffin, Ernest Harrison	South Portland	96 Nichols Street

*Hall, Lincoln	Marshfield, Mass.	37 P H
Hall, Lora Edna	Dover	M H
Harriman, Henry Andrew	Gardiner	31 P H
Hayward, Ruth Winnefred	Auburn	24 High Street, Auburn
Holden, Gladys Marie	North Billerica, Mass.	W H
Holden, Harlan Ware	Worcester, Mass.	27 P H
Hollis, Harold William	Lisbon Falls	46 P H
Holmes, Mary Louise	Lewiston	49 Chapel Street
*Holt, Clifton B.	Lewiston	86 Nichols Street
*Houston, Howard Raymond	Bucksport	87 Wood Street
Huckins, Mary Esther	Rochester, N. H.	W H
*Hull, Frank Jay	Lewiston	96 Nichols Street
James, Leon Charles	Christiansburg, Va.	P H
Irish, Samuel Harland	Cornish	S H
Jecusco, Francis Stevens	Ansonia, Conn.	35 R W H
Jewett, Frank Harold	Dexter	30 S H
Johnston, Fred Robie	Masardis	17 P H
Jones, Beatrice Leona	Auburn	65 Summit Street, Auburn
Jordan, Leila Erdine	Caribou	341 Main Street
Kelley, Frederick Israel, Jr.	East Derry, N. H.	P H
Kempton, William Riley	Rangeley	30 S H
Kidder, Henry W. Longfellow	Richmond	34 P H
*Knight, Melvin Colby	Westport	34 R W H
Lambert, Milton Burleigh	Lewiston	R F D 2, Lewiston
Leavitt, Frank Oliver	Effingham, N. H.	46 P H
Little, Emma Jane	Contoocook, N. H.	W H
Lougee, Marguerite Emma	North Parsonsfield	W H
Lougee, Nellie Delphine	North Parsosnfield	W H
Lowry, Wesley Allen	Providence, R. I.	247 College Street
McCann, Harriet Lucy	Mechanic Falls	Mechanic Falls

*McCollister, Richard Sawyer	Lewiston	103 College Street
*McCollister, Walter Lloyd	Lewiston	103 College Street
McDaniel, John Frank	East Barrington, N. H.	87 Wood Street
McNish, James Francis	Ansonia, Conn.	35 R W H
Macomber, Edith Marguerite	Winthrop	W H
Malvey, Patrick John	Lewiston	62 Birch Street
Manter, Franklin Henley	Whitefield, N. H.	226 College Street
Mathews, Floyd Osborn	St. Albans	23 P H
Mills, Lillian Bessie	Dunbarton, N. H.	32 Frye Street
Nickerson, Paul Sumner	Medford, Mass.	11 R W H
*Niles, Arthur Chester	Auburn	345 Centre Street, Auburn
Norris, Richard Henry	Litchfield	39 P H
Norton, Dora Maude	Gardiner	W H
Noyes, Harold Greenough	East Wilton	173 Wood Street
Pennell, Walter Johnson	Kingfield	148 Nichols Street
*Pike, Dean Sherman	Canaan, N. H.	17 R W H
Pillsbury, Lulene Aura	Rangeley	W H
Plumstead, Joseph Edwin	South Portland	96 Nichols Street
Pratt, George Burton	Lisbon Falls	46 P H
Preston, Mary Florence	Rochester, N. H.	W H
Proctor, Everett Mark	Whitefield, N. H.	173 Wood Street
Rackliffe, Mabel Loveland	New Britain, Conn.	W H
Rock, Julia Irene	Auburn	99 Third Street, Auburn
Rogers, Charles Talbot	New Gloucester	54 P H
Rogers, George Trustum	Gardiner	28 Davis Street
Rollins, Aletha	Lewiston	84 Wood Street
Roys, Mayvelle Esther	Lewiston	272 Sabattus Street

Sargent, Rachel Louisa	Exeter, N. H.	W H
Sawyer, Louise Frances	Lewiston	70 Elm Street
Sawyer, Willam Hayes, Jr.	Limington	31 S H
Schultz, William Herman, Jr.	Lisbon Falls	
Scruton, John Y.	Lewiston	24 Sabattus Street
Seeley, George Mervil	Houlton	53 P H
Shaw, George Hamlin	Houlton	30 Davis Street, Lewiston
Sleeper, Frank Eugene, Jr.	Sabattus	Sabattus
Smith, Alice Carey	Ashland, N. H.	W H
Smith, Harold Morrison	East Grafton, N. H.	24 Frye Street
Smith, Mary Elizabeth	Centre Sandwich, N. H.	W H
Smith, Myra Etta	Merrimac, Mass.	W H
Smith, Ruth Evelyn	Gorham	W H
Snow, Andrew	Whitefield, N. H.	226 College Street
*Stinson, Parker Burroughs	Wiscasset	30 Vale Street
Thing, Alice	Limerick	342 College Street
Thing, Emma Rachel	Limerick	342 College Street
Thompson, Clinton Ray	Lewiston	582 Main Street
Tibbetts, Charles Byron	Berwick	237 Oak Street
Tibbetts, Margarita Elizabeth	Brooklyn, N. Y.	W H
Tracey, Dallas Leon	Franklin	91 Elm Street
Tufts, Elmer Emmons	Kingfield	148 Nichols Street
Tuttle, Kathlene Helen	Auburn	28 James Street, Auburn
Vaughan, Joseph Dyer	Norridgewock	342 College Street
Vose, Helen	Sabattus	Sabattus
*Walsh, William Augustine	Lewiston	8 Wood Street
*Washington, George Madison	File, Va.	60 Ash Street
Webb, Josephine Deering	Portland	M H
*Webber, Elmer Harrison	Mt. Vernon	368 College Street

Webber, Warren Wilbur	Mt. Vernon	368 College Street
Weeks, Amy Louise	Auburn	220 Turner Street, Auburn
White, Lewis Julian	Bangor	45 P H
Whitehouse, Ruby Dorothy	North Leeds	W H
Whittemore, Bertha	Jay	W H
Wilson, Clinton Donnelly	Plymouth, N. H.	21 P H
Woodman, Gladys Leona	Auburn	R F D 6, Auburn
Woodman, Harry Andrews	Portland	11 R W H
Wright, Harold Sylvester	Lewiston	171 Oak Street

* Provisional candidates for a degree.

Special Course

NAME	RESIDENCE	ROOM
Alkazin, Salim Y.	Old Orchard	68 Blake Street
Andrews, Arthur B.	Auburn	32 High Street, Auburn
Bowman, Winfred Wolfe	Hatfield, Mass.	41 P H
Carter, Albert Raymond	Bluehill	43 P H
Chien, Yih Cuing	Chang Chow, China	34 R W H
Dennis, Carlton Amory	Worcester, Mass.	15 P H
Lawless, William Josselyn	Auburn	377 Turner Street, Auburn
Libbey, Bert	North Turner	283 Turner Street, Auburn
Linehan, Joseph Aloysius	Auburn	77 Second Street, Auburn
Loveland, Francis	New Haven, Conn.	P H
Muraoka, Rio Ichi	Tokio, Japan	18 Frye Street
Shepard, Ray Arthur	Gardiner	39 P H
Thomas, Walter Elwyn	Lewiston	137 Nichols Street

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H H—Hathorn Hall
R W H—Roger Williams Hall.
P H—Parker Hall.
S H—Science Hall.
R H—Rand Hall.
C H—Cheney House.
M H—Milliken House.
W H—Whittier House.

Graduates of 1909

Adams, Helen Wilson
Ames, William Porter
Bartlett, Amy Etta
Bolster, George Frederick
Booker, Percy Hilton
Boothby, Willard Sands
Browne, Corinne Mildred
Brush, Alta Belle
Carroll, John Murray
Chapman, Winnifred Amelia
Clason, Bertha Sarah
Cobb, Stephen Aratas, Jr.
Cochran, Isaac George
Cook, Solomon Everett
Crommett, William Gladstone
Culhane, Phyllis Caroline
Dunn, Florence Marie
Eekhoff, Scott Sidney
Fogg, Agnes Spaulding
Foss, Alice Adams
Gerry, Henry Lester
Grant, Agnes Donald
Haines, Grace Ethel
Hale, Herbert Francis
Hardie, Mary
Harris, Charles Lester
Hawks, Clarence Leslie
Hayward, Ralph Simpson
Holbrook, Grace Everlina
Holman, Carl
Holman, Wallace Floyd
Holt, Horace Irving
Howard, Alice Elva
Humiston, Alice Mildred
Hunt, Florence Mabel
Irish, Arthur
Jewell, John Poland
Jordan, Dana Stanford
Jordan, Mildred Jasmine
Keene, Angie Estelle
Lancaster, Fred Henry
Lane, Alzie Edrie
Larrabee, Ernest Everett
Lasselle, Olive Mary
Libby, Warren Edgar
Linscott, Arthur Fay
Lovejoy, Fred Collins
Martin, William Harris
Maxwell, Angie Winnefred
Meader, Alethea Caroline
Merrill, Helen Maybel
Merrill, Gardner Fessenden
Miller, Harry Claire
Morse, Arthur Everett
Nelson, Chesley Wilbur
Oakes, Raymond Silvester

Page, Rodney Gerald
Park, Clinton DeWitt
Peckham, Frederic Metcalf
Peterson, Harrison Morton
Pomeroy, Carl Thatcher
Purinton, Carl Russell
Ranger, Carl Herman
Reed, Ralph Gerry
Roseland, Charles Everett
Sawyer, John Bryant
Segal, Myer
Sharp, Clara Agnes
Smith, George Hathorn
Stone, Harold Edgar
Story, Herbert Lewis
Swift, Edith Winnifred
Wadleigh, Joseph Bertram
Wadsworth, John Thaddeus
Walker, Iola Agnes
Waller, Nellie Blanche
Weare, Laura Maude
Wiggin, Joseph Alfred
Woodward, Louis Burton

Bachelor of Arts degree given out of course to
- Willis Morrell Davis, Class of 1891
- Cora Emily Edgerly, Class of 1899

Master of Arts *pro merito*
- Arba John Marsh, Class of 1894
- Everett Skillings, Class of 1897

Doctor of Divinity
- Josiah H. Heald, Albuquerque, N. M., Class of 1880
- Fred M. Preble, Auburn, Me.

Doctor of Letters
- Frank Pierce Moulton, Hartford, Conn., Class of 1874
- Hon. Payson Smith, Augusta, Me.

Master of Arts
- Arthur Elmer Cox, Poland, N. Y.

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1910-11

Series, No. 1

Bulletin
of
Bates College

Bates College

1910-1911

Lewiston, Maine, December 1, 1910

BATES COLLEGE

LEWISTON MAINE

1910-1911

Lewiston, Maine
The Journal Printshop
1910

CALENDAR-1911

JANUARY.

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Calendar

1910		
Sept. 19, 20	Examinations for Admission to College	Monday and Tuesday, 10 A.M., 2 P.M.
Sept. 21	First Term begins: 8.40 A.M.	Wednesday
Nov. 7-18	Sophomore Preliminary Public Speaking	1.30 P.M.
Nov. 15	Tuition due	
Nov. 19	Prize Division	2.00 P.M.
	Thanksgiving Recess from 12 M., November 23 to 7.40 A.M., November 28	
	Christmas Recess from 4.30 P.M., December 16, 1910 to 7.40 A.M., January 3, 1911	
1911		
Jan. 18-Feb. 1	Sophomore Debates	2.00 P.M.
Jan. 26	Day of Prayer for Colleges	Thursday
Feb. 2-11	Midyear Examinations	
Feb. 13	Second Term begins: 8.40 A.M.	
Feb. 22	Washington's Birthday	Tuesday
Feb. 27-Mar. 10	Freshman Public Speaking	1.30 P.M.
March 11	Prize Division	2.00 P.M.
March 15	Tuition due	
March 30	Senior Exhibition	Thursday, 7.45 P.M.
	Easter Recess, from 4.30 P.M., April 7 to 8.40 A.M., April 18	
May 30	Memorial Day	Tuesday
June 7	Ivy Day Exercises	Wednesday
June 15-23	Final Examinations	
June 25	Baccalaureate Exercises	Sunday, 3.30 P.M.
June 26-27	Examinations for Admission to College	
June 26	Junior Exhibition	Monday, 7.45 P.M.
June 27	Annual Meeting of the Corporation	Tuesday, 9.00 A.M.
June 27	Class Day Exercises	Tuesday, 2.30 P.M.
June 27	Annual Meeting of the Alumni	Tuesday, 4.00 P.M.
June 27	Illumination of College Campus	Tuesday, 7.45 P.M.
June 28	Commencement	Wednesday, 10.00 A.M.
June 28	President's Reception to the Graduates	Wednesday, 8.00 P.M.
Sept. 18-19	Examinations for Admission to College	Monday and Tuesday, 10.00 A.M., 2.00 P.M.
Sept. 20	First Term begins: 8.40 A.M.	Wednesday
Nov. 15	Tuition due	
Nov. 6-17	Sophomore Preliminary Public Speaking	1.30 P.M.
Nov. 18	Prize Division	2.00 P.M.
	Thanksgiving Recess, from 12 M., November 29 to 7.40 A.M., December 4	
Dec. 15	Christmas Recess begins: 4.30 P.M.	Friday

General Information

FOUNDATION

Bates College grew out of the Maine State Seminary, chartered in 1855. In 1862 sixteen young men in this school petitioned the Trustees to provide facilities for collegiate instruction. In the fall of 1863 the first Freshman class was admitted, and in the winter of 1864 a new charter was secured, and Maine State Seminary became Bates College. The name Bates College was given by the Trustees in grateful acknowledgment of the generosity of Mr. Benjamin E. Bates of Boston, Mass., one of the founders of the city of Lewiston. Mr. Bates had taken a warm interest in the Seminary, and it was his encouragement, with a subscription in 1863 of $25,000, which led to its development into the College. To this sum he subsequently added $75,000. Mr. Bates died in 1877. Other friends have generously aided the institution, but none of their benefactions have equalled in amount the gifts of Mr. Bates.

Lewiston, in which the College is situated, is the second city in population in Maine, having twenty-six thousand inhabitants. It is on the east bank of the Androscoggin, thirty-five miles northeast of Portland. It is connected by four bridges with Auburn, a city with sixteen thousand inhabitants, on the opposite bank of the river. The two cities are among the most enterprising and progressive in the East. Many of their public buildings are exceptionally beautiful and substantial. Their excellent public schools are constantly bringing to the two cities from all parts of Maine, and even from adjoining states, parents eager to secure a good education for their children. The Jordan High School and the Edward Little High School, of Auburn, rank among the best preparatory schools in New England. The pulpits of Lewiston and Auburn are occupied by able and scholarly men, and residents of few towns have better facilities for hearing the representative lecturers and orators of our country. The two cities are remarkably healthful, are situated amid some of the most beautiful scenery of the Androscoggin valley, and combine in a rare degree the educational influences afforded by the presence of business energy, of scholarly leisure, and of attractive environments. They are a little more than four hours distant from Boston, and are accessible from all directions by means of four railways—the Grand Trunk, the Portland and Rumford Falls, and two lines of the Maine Central. These with numerous electric roads make the College easily accessible from every direction. The College grounds consist of fifty acres in the suburbs of Lewiston. They have great natural beauty and command fine views of the surrounding country. From the summit of Mount David, given by the late Mrs. Archibald Wakefield and the late Mrs. John M. Frye, as the site for an astronomical observatory, the White Mountains, more than fifty miles away, are distinctly visible.

CHARACTER OF THE COLLEGE

The college is unsectarian in all its aims and methods, but it is unequivocally Christian. Breadth and thoroughness are sought, not only in literary and scientific attainments, but in moral and spiritual culture. What are called the vices of student life are practically unknown at Bates. No student can be a member of the College without taking and keeping a pledge to abstain from alcoholic drinks. Hazing has never been tolerated. A large percentage of the students are actively religious, and among them are represented nearly all the religious denominations of New England. It has been the constant aim of the College to encourage and aid students of limited means and to exclude such habits and customs as lead to extravagant and unnecessary expenditures. Planted in a thrifty and frugal community, Bates is for a wide area the natural College home for students of limited means. The community, with its numerous industries, offers unusual opportunities for work; and College spirit and tradition make labor honorable. The Faculty of Bates find one of their highest pleasures in helping young men and young women to solve the problem of ways and means. Every year Bates students are engaged in more than sixty different kinds of employment. Ninety-three permanent scholarships, of $1,000 each, pay the annual tuition for instruction of as many deserving young men and young women. Students of ample, of moderate, and of limited, means live and work together in absolute social equality. From its organization in 1863, the College has received young women on the same terms with young men, thus beginning on the Atlantic seaboard the movement for the higher education of women.

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Terms of Admission

All candidates for admission to the College must offer satisfactory testimonials of good moral character; and those who have been members of other colleges must present certificates of regular dismission.

The requirements in particular subjects are as follows:

LATIN

The requirements in Latin are those recommended in the "Report of the Commission on College-Entrance Requirements in Latin," and are as follows:

I. Amount and Range of the Reading Required.

1. The Latin reading required of candidates for admission to college, without regard to the prescription of particular authors and works, shall be not less *in amount* than Cæsar, Gallic War, I-IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Vergil, Aeneid, I-VI.

2. The amount of reading specified above shall be selected by the schools from the following authors and works: Caesar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters, and De Senectute) and Sallust (Catiline and Jugurthine War); Vergil (Bucolics, Georgics, and Aeneid) and Ovid (Metamorphoses, Fasti, and Tristia).

II. Subjects and Scope of the Examinations.

1. *Translation at Sight.* Candidates will be examined in translation at sight of both prose and verse. The

vocabulary, constructions, and range of ideas of the passages set will be suited to the preparation secured by the reading indicated above.

2. *Prescribed Reading.* Candidates will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias, and Vergil, Aeneid, I, II, and either IV or VI at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

3. *Grammar and Composition.* The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose. The words, constructions, and range of ideas called for in the examinations in composition will be such as are common in the reading of the year, or years, covered by the particular examination.

Suggestions Concerning Preparation.

Exercises in translation at sight should begin in school with the first lessons in which Latin sentences of any length occur, and should continue throughout the course with sufficient frequency to insure correct methods of work on the part of the student. From the outset particular attention should be given to developing the ability to take in the meaning of each word—and so, gradually, of the whole sentence—just as it stands; the sentence should be read and understood in the order of the original, with full appreciation of the force of each word as it comes, so far as this can be known or inferred from that which has preceded and from the form and the position of the word itself. The habit of reading in this way should be encouraged and cultivated as the best preparation for all the translating that the student has to do. No translation, however, should be a mechanical metaphrase. Nor should it be a mere loose paraphrase. The full meaning of the passage to be translated, gathered in the way described above, should finally be expressed in clear and natural English.

A written examination cannot test the ear or tongue, but proper instruction in any language will necessarily include the training of both. The school work in Latin, therefore, should include much reading aloud, writing from dictation, and translation from the teacher's reading. Learning suitable passages by heart is also very useful, and should be more practised.

The work in composition should give the student a better understanding of the Latin he is reading at the time, if it is prose, and greater facility in reading. It is desirable, however, that there should be systematic and regular work in composition during the time in which poetry is read as well; for this work the prose authors already studied should be used as models.

On the basis of the above Report the examinations will be grouped as follows:

I. ELEMENTARY LATIN.

The examination will be adapted to the proficiency of those who have studied Latin in a systematic course of five exercises a week for at least three years. It will include translation of prose at sight, Cicero, as indicated above in Section II, Article 2, and Grammar and Composition.

II. Advanced Latin.

The examination will be adapted to the proficiency of those who have studied Latin in a systematic course of five exercises a week for at least four years. It will cover the work outlined in Section II of the Report.

GREEK

I. Elementary Greek.

Candidates presenting this subject should be able to translate at sight simple Attic prose, and should possess a thorough mastery of ordinary Greek inflections, principles of syntax, and idioms, involving the ability to write simple Attic prose. To attain the required proficiency, a student should have studied Greek two years, in a systematic course of five exercises a week, including the reading of four books of Xenophon's Anabasis or an equivalent, thorough study of Grammar, and considerable practice in writing Greek sentences involving ordinary idioms and constructions.

II. Advanced Greek.

Candidates presenting this subject should be able to translate at sight passages from Homer, as well as from Attic prose, and should be well grounded in the epic dialect, the prosody of Homer and the general features of Homeric life. They should also be able to translate into Attic prose simple English passages of connected narrative. These requirements involve, in addition to the course in Elementary Greek, a third year of study, with exercises five times a week, and necessitate the reading of additional Attic prose and of at least the first three books of the Iliad or an equivalent, and practice in the writing of connected passages of Attic prose.

Students admitted without Greek may begin the study of Greek in the Freshman year and go on to the regular courses in that language.

ENGLISH

Preparation in English has two main objects: (1) command of correct and clear English, spoken and written; (2) power to read with intelligence and appreciation. The attainment of these objects requires a course of study covering at least three years, with five recitation periods each week.

To secure the first end, training in grammar and the simpler principles of rhetoric, and the writing of frequent compositions are essential. The candidate must be able to spell, capitalize, and punctuate correctly. He must show a practical knowledge of the essentials of terminology, inflections, syntax, the use of phrases and clauses; a thorough training in the construction of the sentence; and familiarity with the simpler principles of paragraph division and structure.

To secure the second end, the reading of a certain number of books is prescribed. The list is intended to give the candidate the opportunity of reading, under intelligent direction, a number of important pieces of literature. The prescribed books are divided into two groups as follows:

A

READING AND PRACTICE—The candidate will be required to present evidence of a general knowledge of the subject-matter of the books mentioned and to answer simple questions on the lives of their authors. The examination will usually be the writing of a paragraph or two on each of several topics to be chosen by the candidate from a considerable number set before him in the examination paper. The treatment of these subjects is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified by his instructor, containing composition or other written work done in connection with the reading of these books. The books for this part of the examination will be:

For 1911, 1912.

Group I (two to be selected). Shakespeare's As You Like It, Henry V, Julius Cæsar, The Merchant of Venice, Twelfth Night.

Group II (one to be selected). Bacon's Essays; Bunyan's The Pilgrim's Progress, Part I; The Sir Roger de Coverley Papers in the Spectator; Franklin's Autobiography.

Group III (one to be selected). Chaucer's Prologue; Spenser's Faerie Queene, Book I; Pope's The Rape of the Lock; Goldsmith's The Deserted Village; Palgrave's Golden Treasury (first series) Books II. and III, with especial attention to Dryden, Collins, Gray, Cowper and Burns.

Group IV (two to be selected). Goldsmith's The Vicar of Wakefield; Scott's Ivanhoe; Scott's Quentin Durward; Hawthorne's The House of the Seven Gables; Thackeray's Henry Esmond; Mrs. Gaskell's Cranford; Dickens's A Tale of Two Cities; George Eliot's Silas Marner; Blackmore's Lorna Doone.

Group V (two to be selected). Irving's Sketch Book; Lamb's Essays of Elia; De Quincey's Joan of Arc and The English Mail Coach; Carlyle's Heroes and Hero

Worship; Emerson's Essays (Selected); Ruskin's Sesame and Lilies.

Group VI (two to be selected). Coleridge's The Ancient Mariner; Scott's The Lady of the Lake; Byron's Mazeppa and The Prisoner of Chillon; Palgrave's Golden Treasury (First Series) Book IV, with especial attention to Wordsworth, Keats and Shelley; Macaulay's Lays of Ancient Rome; Poe's Poems; Lowell's The Vision of Sir Launfal; Arnold's Sohrab and Rustum; Longfellow's The Courtship of Miles Standish; Tennyson's Princess; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Evelyn Hope, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Hervé Riel, Pheidippides.

For 1913, 1915.

Group I (two to be selected.) The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books i-v and xv-xvii; the Iliad, with the omission, if desired, of Books i-v and xv-xvii; the Iliad, with the omission, if desired, of Books xi, xiii-xv, xvii, and xxi; Vergil's Æneid. The Odyssey, Iliad, and Æneid should be read in English translation of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

Group II (two to be selected.) Shakespeare's Merchant of Venice; Midsummer Night's Dream; As You Like It; Twelfth Night; Henry the Fifth; Julius Cæsar.

Group III (two to be selected.) Defoe's Robinson Crusoe, Part I; Goldsmith's Vicar of Wakefield; either Scott's Ivanhoe or Scott's Quentin Durward; Hawthorne's House of the Seven Gables; Dickens's David Copperfield or Dickens's Tale of Two Cities; Thackeray's Henry Esmond; Mrs. Gaskell's Cranford; George Eliot's Silas Marner; Stevenson's Treasure Island.

Group IV (two to be selected.) Bunyan's Pilgrim's Progress, Part I; The Sir Roger de Coverley Papers in The Spectator; Franklin's Autobiography (condensed); Irving's Sketch Book; Macaulay's Essays on Lord Clive and Warren Hastings; Thackeray's English Humorists; Selections from Lincoln, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, and Letter to Horace Greeley, along with a brief memoir or estimate; Parkman's Oregon Trail; either Thoreau's Walden or Huxley's Autobiography and selections from Lay Sermons, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk; Stevenson's Inland Voyage, and Travels with a Donkey.

Group V (two to be selected.) Palgrave's Golden Treasury (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper, and Burns; Gray's Elegy in a Country Churchyard and Goldsmith's Deserted Village; Coleridge's Ancient Mariner and Lowell's Vision of Sir Launfal; Scott's Lady of the Lake; Byron's Childe Harold, Canto IV, and Prisoner of Chillon; Palgrave's Golden Treasury (First Series), Book iv, with especial attention to Wordsworth, Keats, and Shelley; Poe's Raven, Longfellow's Courtship of Miles Standish, and Whittier's Snow Bound; Macaulay's Lays of Ancient

Rome and Arnold's Sohrab and Rustum; Tennyson's Gareth and Lynette, Lancelot and Elaine, and Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City.

B

Study and Practice.—This part of the examination presupposes a careful study of the works named below. The examination will be upon subject-matter, form and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy. The books for this part of the examination will be:

For 1911, 1913, 1914, 1915, Shakespeare's Macbeth; Milton's Lycidas, Comus, L'Allegro, and Il Penseroso; Burke's Speech on Conciliation with America, or Washington's Farewell Address and Webster's First Bunker Hill Oration; Macaulay's Life of Johnson, or Carlyle's Essay on Burns.

For 1912.

Shakespeare's Macbeth; Milton's Comus, L'Allegro and Il Penseroso; or Tennyson's Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Burke's Speech on Conciliation with America or Washington's Farewell Address and Webster's First Bunker Hill Oration; Macaulay's Life of Johnson or Carlyle's Essay on Burns.

MATHEMATICS

I. Elementary Mathematics.

(1) Algebra. Through equations of the second degree.

Although candidates are not examined in Arithmetic, a thorough knowledge of its fundamental principles is an essential part of a preparatory course. This subject should not be neglected by candidates.

The required work in Algebra should cover two years' work of five recitations per week, and includes the following subjects: Factors, fractions, ratio and proportion; negative quantities and interpretation of negative results; a thorough knowledge of radicals and the solution of equations involving radicals, fractional and negative exponents; the binomial theorem for positive integral exponents; extraction of roots; the solution of equations with one or more unknowns, whether of the first or second degree, and with literal as well as numerical coefficients, and of problems leading to such equations; arithmetical and geometrical progression.

It is recommended that the student familiarize himself with the solution of simultaneous equations of two or three unknowns, that he be able to solve quadratics at sight, either by factorization or by formula, and that he learn to draw the graphs of linear and quadratic equations of two unknowns.

(2) Plane Geometry. The required work in plane geometry should extend throughout one year of five recitations per week.

The theorems and constructions as found in good text-books: The properties of plane rectilinear figures; the circle, and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle. A large part of the time should be given to original demonstrations of exercises, and this should be insisted upon as a part of the required work in the course.

II. ADVANCED MATHEMATICS.

(1) Algebra, including choice, chance, theory of limits, the binomial theorem for negative and fractional

exponents, logarithms, series, determinants, graphs, derivatives, and the theory of equations.

(2) Solid Geometry, as represented by the ordinary college text-books. Candidates should be able to solve readily problems of solid mensuration and to demonstrate original theorems that may be deduced easily from the text.

(3) Plane Trigonometry, as represented by the usual text-books. Candidates must be familiar with the theory and use of six-place logarithmic tables.

FRENCH

The admission requirements in elementary and advanced French are those recommended by the Modern Language Association of America.

I. Elementary French.

The work to be done during the first year should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plurals of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing French from dictation.

During the second year, the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, of pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and the subjunctive.

Suitable texts for the second year are: About's "Le roi des montagnes," Bruno's "Le tour de la France," Daudet's easier short tales, La Bédollière's "La Mère Michel et son chat," Erckmann-Chatrian's stories, Foa's "Contes biographiques" and "Le petit Robinson de Paris," Foncin's "Le pays de France," Labiche and Martin's "La poudre aux yeux" and "Le voyage de M. Perichon," Legouvé and Labiche's "La cigale chez les fourmis," Malot's "Sans famille," Mairet's "La tâche du petit Pierre," Mérimee's "Colomba," extracts from Michelet, Sarcey's "Le siège de Paris," Verne's stories.

II. ADVANCED FRENCH.

During the third year the work should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

Suitable texts are: About's stories, Augier and Sandeau's "Le gendre de M. Poirier," "Béranger's poems," Daudet's "La Belle-Nivernaise," Corneille's "Le Cid" and "Horace," Coppée's poems, Le Brète's "Mon oncle et mon curé," Madame de Sévigné's letters, Hugo's "Hernani" and "La Chute," Labiche's plays, Loti's "Pêcheur d'Islande," Mignet's historical writings, Molière's "L'Avare," and "Le Bourgeois Gentilhomme," Racine's "Athalie," "Andromaque" and "Esther," Thier's "L'expédition de Bonaparte en Egypte," George Sand's plays and stories, Sandeau's "Mademoiselle de la Seiglière, Scribe's plays, Thierry's "Recits des temps mérovingiens," Vigny's "La canne de jonc," Voltaire's historical writings.

GERMAN

The admission requirements in elementary and advanced German are those recommended by the Modern Language Association of America.

I. ELEMENTARY GERMAN.

The first year's work should comprise: (1) careful drill upon pronunciation; (2) memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, of adjectives, pronouns, weak verbs, and the more usual strong verbs, also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word order; (4) abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in reproducing natural forms of expression; (5) the reading of 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in reproducing from memory sentences previously read.

The second year's work should comprise: (1) the reading of 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in translating into German easy variations upon the matter read, also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of grammar, directed to the end of enabling the pupil, first, to use his knowledge with facility in forming sentences, and second, to state his knowledge correctly in the technical language of grammar.

Stories suitable for the elementary course can be selected from the following list: Andersen, *Märchen* and *Bilderbuch ohne Bilder;* Arnold, *Fritz auf Ferien;* Baumbach, *Die Nonna* and *Der Schwiegershon;* Gerstäcker, *Germelshausen;* Heyse, *L'Arrabbiata*, *Das Mädchen von Treppi*, and *Anfang und Ende;* Hillern, *Höher als die Kirche;* Jensen, *Die braune Erica;* Leander, *Träumereien* and *Kleine Geschichten;* Seidel, *Märchen;* Stökl, *Unter dem Christbaum;* Storm, *Immensee* and *Geschichten aus der Tonne;* Zschokke, *Der zerbrochene Krug.*

The best shorter plays available are: Benedix, *Der Prozess*, *Der Weiberfeind.* and *Günstige Vorzeichen;* Elz, *Er ist nicht eifersuchtig;* Wichert, *An der Majorsecke;* Wilhelmi, *Einer muss heiraten.* Only one of these plays need be read, and the narrative style should predominate. A good selection of reading matter for the second year would be Andersen, *Märchen*, or *Bilderbuch*, or Leander, *Träumereien*, to the extent of about forty pages. Afterward, such a story as *Das kalte Herz*, or *Der zerbrochene Krug;* then *Höher als die Kirche*, or *Immensee;* next a good story by Heyse, Baumbach, or Seidel; lastly *Der Prozess.*

II. ADVANCED GERMAN

The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with especial reference to the infinitive and subjunctive), and likewise upon word order and word formation.

Suitable reading matter for the third year can be selected from such works as the following: Ebner-Eschenbach, *Die Freiherren von Gemperlein;* Freytag, *Die Journalisten* and *Bilder aus der deutschen Vergangenheit*, for example *Karl der Grosse*, *Aus den Kreuzzügen*, *Doktor Luther*, *Aus dem Staat Friedrichs des Grossen;* Fouque, *Undine;* Gerstäcker, *Irrfahrten;* Goethe, *Hermann und Dorothea* and *Iphigenie;* Heine's poems and *Reisebilder*; Hoffman, *Historiche Erzählungen;* Lessing, *Minna von Barnhelm;* Meyer, *Gustav Adolfs Page;* Moser, *Der Bibliothekar;* Riehl, *Novellen*, for example *Burg Neideck*, *Der Fluch der Schönheit*, *Der stumme Ratsherr*, *Das Spielmannskind;* Rosegger *Waldheimat;* Schiller, *Der Neffe als Onkel*, *Der Geisterseher*, *Wilhelm Tell*, *Die Jungfrau von Orleans*, *Das Lied von der Glocke*, *Balladen;* Scheffel, *Der Trompeter von Säkkingen;* Uhland's poems; Wildenbruch, *Das edle Blut.*

A good selection would be: (1) one of Riehl's novelettes; (2) one of Freytag's "pictures;" (3) part of *Undine* or *Der Geisterseher;* (4) a short course of reading in lyrics and ballads; (5) a classical play by Schiller, Lessing, or Goethe.

CHEMISTRY

The examination in this subject implies an acquaintance by recitation and laboratory work with elementary processes and with the properties of common chemical substances; also a familiarity with the chemical notation in its arithmetical meaning, including the ability to solve simple problems based on the relations expressed by formulas and equations.

The requirements in this subject include the study of both metals and non-metals, and may be met by the use of any good Elementary text-book and laboratory manual.

PHYSICS

The student must present satisfactory evidence that he has completed a year's work in Physics using a first class text-book (Carhart and Chute's, Millikan and Gale's, and Gage's are recommended). The course must include at least one two-hour laboratory period per week. To receive credit in Physics a certified note-book *must* be presented showing the student's *original record* of at least forty experiments.

BIOLOGY

One year's work in Biology may be offered for two points in the preparatory course. The year's work should be equivalent to at least one hundred one hour exercises, consisting of at least one-half laboratory work. The note-book records of laboratory work, certified by the instructor, will be required. The course may consist of one year's work in Zoölogy, or one year's work in Botany, or one-half year's work in each.

It is desirable that considerable field work be done; that the animals and plants be studied in their natural environment. A large amount of data, obtained through accurate observation out-of-doors, forms the best foundation for the work to be accomplished in the laboratory and recitation room.

It is more important that a relatively small amount of laboratory work be carefully and thoroughly accomplished by proper laboratory methods, than that a large amount of ground be covered in a superficial and unscientific manner.

For a year's work in Zoölogy, the following texts—supplemented with such laboratory work as time and text would require—are approved: General Zoölogy, by Linville and Kelley; Zoölogy, Descriptive and Practical, by Colton; Introduction to Zoölogy, by Davenport.

For one-half year's course in Zoölogy: Animal Life, by Jordan and Kellogg; Animal Forms, by Jordan and Heath; Practical Zoölogy, by Davison.

For a year's course in Botany: Plants, by Coulter; Elements of Botany, by Bergen; Introduction to Botany, by Stevens.

For a one-half year's course in Botany: such parts—selected by instructor—of one of the above texts, as can be properly handled in the time.

HISTORY

UNITED STATES HISTORY AND CIVICS.

The student should have a general knowledge of the colonization of the several states, the forms of government which existed previous to the War of Independence, the causes and principal events of that war, the Period of the Confederation and the establishment of the Federal Constitution with the general history subsequent to that event.

English History.

In this subject a general knowledge of the social and political development of England is expected of the student. This applies in particular to the centuries subsequent to the Norman conquest and to the movements which culminated in the creation of a British Empire and of a limited monarchy.

Ancient History, Greek and Roman.

The student should know the main facts respecting the political development of Greece and the Roman Republic and Empire, and should possess a general acquaintance with Greek and Roman life, literature and art.

ADMISSION GROUPS

To show clearly the requirements for admission the following grouping of the preceding subjects is made. Candidates for admission to the Freshman Class must show adequate preparation in all the subjects of Group I and in enough of Group II to make a total of 29 points. To count 2 points a subject must be pursued for one school year with five recitation periods per week.

A. B. Course

Group I

	Points
English, A and B, (3 years),	6
Latin, Elementary and Advanced	8
Algebra	4
Plane Geometry	2
Roman History	1
Total required,	21

B. S. Course

Group I

	Points
English, A and B, (3 years),	6
Elementary French or Elementary German	4
Algebra	4
Plane Geometry	2
American History and Civil Government	1
Total required,	17

A. B. COURSE

Group II

Elementary Greek	4
Advanced Greek	2
Elementary French	4
Advanced French	2
Elementary German	4
Advanced German	2
Chemistry (including note-book)	2
Physics (including note-book)	2
Biology (including note-book)	2
Advanced Algebra	1
Solid Geometry	1
Plane Trigonometry	1
Greek History	1
American History and Civil Government	1
English History	1

B. S. COURSE

Group II

Elementary Latin	4
Elementary Greek	4
Elementary French (if not offered in Group I)	4
Advanced French	2
Elementary German (if not offered in Group I)	4
Advanced German	2
Chemistry (including note-book)	2
Physics (including note-book)	2
Biology (including note-book)	2
Advanced Algebra	1
Solid Geometry	1
Plane Trigonometry	1
Roman History	1
Greek History	1
English History	1

Candidates for the degree of Bachelor of Arts must present in addition to Group I a selection of subjects from Group II aggregating nine units according to the valuation there indicated. This selection must include either Elementary Greek, Elementary French, or Elementary German.

Candidates for the degree of Bachelor of Science must present in addition to Group I a selection of subjects from Group II aggregating twelve units according to the valuation there indicated.

Applicants for admission that have not had the requirements in Latin, but have had work aggregating twenty-nine points as indicated in the Admission Groups, may be received as candidates for the degree of Bachelor of Arts; such students, however, will be required to carry on the study of Latin in college until all the requirements of the college, both for admission and for Freshmen, shall have been completed. Courses calculated to aid in securing these results may be found on page 61.

Graduates of preparatory schools whose methods and courses of study are approved by the Faculty of the College may be admitted provisionally, upon the certificates of the principals of such schools. The certificates must clearly show that the amount and quality of the work done by those who present them are equivalent to the published requirements of the college. At the close of the first term all who have done scholarly work and maintained satisfactory deportment will be admitted to full standing.

All candidates for advanced standing not presenting certificates from other colleges will be examined in the preparatory studies, and also those previously pursued by the class they propose to enter, or in other studies equivalent to them.

Students of good character who are prepared to do college work, may be admitted to special courses under the direction of the Committee on Registration. All students who can do so are advised to matriculate for a degree, and no one will be allowed to use the privilege here offered for the purpose of securing a merely nominal connection with the college. Special students are subject to the same regulations regarding attendance and examinations as candidates for degrees, and must take fifteen hours of class-room work per week.

The regular examinations for admission to college begin on Monday preceding Commencement, and on Monday preceding the first day of the First Semester, at 10 o'clock A.M., in Room. 5, Hathorn Hall. Arrangements may be made for taking examinations at the student's own school on the third Monday preceding Commencement.

Courses of Instruction

Most of the work of the Freshman year is required. Electives are introduced in the Sophomore year and are increased in number as the course goes on. The essentials of a liberal education are constantly kept in view and the attainment of knowledge is made tributary to the love of study, the habit of investigation, and the tastes and aptitudes of the scholar. The individuality of students is recognized and encouraged without the sacrifice of breadth and thoroughness. Class-room work is supplemented by original observation and research and by a systematic use of the College Library.

While in every department the cultural aim is held constant and controlling, the culture sought is of the kind that pays tribute to life. While not mistaking itself for a professional school or a technical school, the College seeks to make all its instruction practical. Each teacher remembers that forty-two out of every hundred of Bates graduates become educators, and strives to exemplify the best Pedagogy. In addition, the College gives four definite courses in Education which, while thoroughly cultural, ensure to those pursuing them a teacher's certificate of the first class from State Boards of Education. In like manner, the courses in Elocution and in English, especially the courses in Argumentation, prove of great value to graduates who engage in public speaking and, in particular, to those who practice Law. So, also, the courses in Oriental History and Literature and in Christian Literature and Ethics, while having a choice cultural value, are a substantial aid to students contemplating the Christian Ministry—being accepted as the full equivalent of a year's work in the best Theological Schools. The thorough courses in Chemistry meet the requirements of the best Medical Schools and those in Biology receive equal recognition. The work in Mechanics, in Electricity and Magnetism, and in the Elements of Electrical Engineering, assures to the general student of these subjects an intelligent acquaintance with the great natural forces of the industrial world and enables the prospective engineer to gain, at comparatively slight cost, advanced standing in such schools of applied science as the Massachusetts Institute of Technology.

Students wishing to enter the Maine Medical School after completing a year's work in Bates College must present the complete admission requirements as in the case of students matriculating for the A.B. or B.S. degree. The purpose of such students to pursue a medical course after completing the necessary college work must be attested by a written statement from their parents, or their guardian. A change to regular standing may be made only by special vote of the faculty. Such students are required to take work in Biology, Chemistry, Physics, French or German, and may elect one course in some other language.

I. ASTRONOMY

1. Descriptive Astronomy.

Three hours. First term. Elective for Seniors.

2. General Astronomy.

Three hours. Second term. Elective for Seniors.

II. BIBLICAL LITERATURE AND RELIGION

LITERATURE

1. The Bible as Literature.

Three hours. Second term. Elective for Freshmen.

2. The Hebrew Prophets.

Three hours. First term. Elective for Juniors.

3. The Hebrew Books of Wisdom and the Psalms.

Three hours. Second term. Elective for Juniors.

4. The Origin and Preservation of the Bible.

Three hours. Second term. Elective for Freshmen.

HISTORY

5, 6. Oriental History. A study of the main lines of development in Egypt, Babylonia, and Israel from the earliest known times to Christ.

Three hours. Through the year. Elective for Sophomores.

7. The Life and Times of Jesus.

Three hours. First term. Elective for Sophomores.

8. The Histroy of Early Christianity; its Origin and Spread in the Apostolic Days.

Three hours. Second term. Elective for Sophomores.

9. History of Religion. A study of the origin and development of religion, and a sketch of some of the chief religious systems of the world.

Three hours. First term. Elective for Seniors.

10. Philosophy of Religion.

Three hours. Second term. Elective for Seniors.

LANGUAGE

11. The New Testament; the Gospels.

Three hours. First term. Elective for Juniors and Seniors.

12. The New Testament; the Epistles of Paul.

Three hours. Second term. Elective for Juniors and Seniors.

13, 14. Hebrew. The elements of the language, and translation of historical parts of the Old Testament.

Three hours. Through the year. Elective for Juniors and Seniors.

15, 16. Advanced Hebrew. Translation of selections from the Prophets and the Psalms.

Three hours. Through the year. Elective for Seniors who have completed Courses 13 and 14.

III. BIOLOGY

BOTANY

1. Morphology, Physiology, and Ecology of Flowering Plants. The method of instruction in this course is: (1) recitations upon the above subjects, as they are developed by a study of the text-book, by lectures and in laboratory work; (2) laboratory exercises, in which a careful study is made of the morphology of the various parts of the plant body. The seeds, roots, stems, leaves, flowers and fruits are taken up in succession. The structure and relation of these parts to the life processes of the plant are recorded in the laboratory note-book, by means of drawings and descriptive notes. Sufficient time is given to flower analysis, so that each student has such practice as will make him familiar with the method of work. Considerable attention is given to field work.

The aim of this course is two-fold: (1) To give the student a general yet comprehensive knowledge of the life processes and structure of the flowering plants; (2) to begin the training which is so essential to all scientific work—that of accurate observation.

Three one-hour periods and two two-hour periods. Second term. Elective for Freshmen and Sophomores.

2. Morphology, Ecology and General Classification of the Plant Kingdom.

The work of the course comprises recitations, lectures and laboratory exercises. A study is made of the principles upon which modern classification is based. Type specimens representing the various groups and sub-divisions of the vegetable kingdom are studied with respect to their distinctive characteristics, structure, etc., together with a consideration of the inter-relations of the groups. In the laboratory the student studies and sketches most of the specimens taken up in recitations.

Field work constitutes an important part of this course. Trips are taken into the surrounding country for the purpose of collecting and studying the plants in their natural environment. This field work is especially helpful in fixing in the student's mind the general classification of the plant kingdom.

It is the aim of the course to give the student a knowledge of what organisms are included in the plant kingdom and how these same organisms are grouped in a general classification.

Three one-hour periods and two two-hour periods. Second term. Elective for Freshmen and Sophomores.

[Botany 2. Not offered in 1910-11.]

3. Cryptogamic Botany. This is a laboratory course, combined with some lecture and recitation work. It is mainly a study of the morphology of cryptogamic plants, beginning with the lowest Thallophytes. The work requires the use of the compound microscope quite constantly, and the members of the class obtain thereby a practical knowledge of the simpler manipulations of the microscope and preparations of sections. Each student is required to offer for inspection twenty-five stained and

permanent sections. Carefully kept note-books with drawings and descriptive notes are required throughout the course.

The two chief objects of the course are: (1) the acquiring of a knowledge of the morphology of the cryptogams; and (2) accurate observation and correct interpretation of the same.

First term. Three two-hour periods. Elective for Juniors and Seniors.

[Botany 3. Not offered in 1910-11.]

ZOÖLOGY

1 and 2. General Principles of Zoölogy; and Morphology, Ecology and General Classification of Invertebrate Animals. Instruction is given by recitations and laboratory work. These courses aim to teach first, the general principles of the subject, its history and subdivision, the structure, development and functions of cells, tissues and organs, general embryology, etc.; second, the outlining of the principal groups of the animal kingdom, studying their ecology and morphology. The laboratory work is confined to representatives of the chief groups of invertebrates. Typical forms are studied microscopically or dissected, and careful drawings with descriptive notes must accompany the laboratory work.

First and second terms. Three one-hour recitation periods and three two-hour laboratory periods. Elective for Sophomores.

3 and 4. Comparative Anatomy of Vertebrates. Instruction in this course is given chiefly by laboratory exercises and lectures. Type representatives of the different classes of Vertebrata are very thoroughly dissected and studied in a comparative way, from the lower forms to the higher. All observations and records are

kept by means of drawings and notes. The course is intended especially for those who are particularly interested in biological science, or who intend the future study of anatomy and medicine.

Three two-hour laboratory periods and three one-hour lecture periods. First and second terms. Elective for Juniors.

5 and 6. Microscopic Technique and Histology.

In these courses instruction is given by lectures, recitations and laboratory work. A study is made of the parts and use of the compound microscope, together with laboratory work upon the more essential methods of investigation. This involves practical work upon an invertebrate animal and the different tissues of vertebrates. The student experiments with the important methods of fixing, hardening, staining, dehydrating, clearing, imbedding, sectioning and mounting objects for microscopic study.

Further, the student is introduced to the general subject of animal histology, by a careful study of the above preparations.

Three two-hour laboratory periods and three one-hour recitation periods. First and second terms. Elective for Seniors.

PHYSIOLOGY FOR MEN

1. Physiology, Anatomy, and Hygiene. Instruction in this course is given by lectures and recitations. This course is devoted chiefly to Physiology and Hygiene with emphasis placed upon Hygiene. “The Human Mechanism” by Hough and Sedgwick is used as a text. Required of Freshmen who do not offer Greek for entrance. First term. Three hours.

The practical value of the course is greatly augmented through the use of the Bock Stegers anatomical models of the heart, eye, ear, trunk, etc.; also by use of a human skeleton.

PHYSIOLOGY FOR WOMEN

1. Physiology, Anatomy, and Hygiene. A study of the structure and functions of the human body with especial emphasis laid upon practical hygiene and the application of hygienic principles to students' lives. Instruction in this course is given by lectures and recitations. "The Human Mechanism" by Hough and Sedgewick is used as a text book.

Three hours. First term. Required of Freshmen who do not offer Greek for entrance.

ORNITHOLOGY

1. Considerable attention is given to the study of Ornithology, apart from that of general zoölogy. In the first term twelve lectures are given to the Freshman Class on the characteristics of birds—peculiarities of physical structure, flight, utility, song, beauty, intelligence, and migration; on the fossil, sub-fossil, and extinct birds, and on classification. The last lecture is devoted to the winter birds of Maine. This lecture is preparatory to the work to be done by the class during the winter. Prizes are given to the members of the class that report the longest list of birds observed and carefully identified between the first of December and middle of March. Two prizes are also given to the class for the best winter sketches of not more than two thousand words each.

2. In the twelve lectures given in the spring all the species of the inland birds of Maine are described and the

mounted specimens are shown to the class. Four times a week, from the last of March to the middle of June, the members of the Freshman class make early morning excursions of one hour and a half to the fields and woods in search of the birds. From 75 to 130 different species are recognized in one year by the careful observers.

IV. CHEMISTRY

Work in this department includes lectures, recitations and laboratory work, and continues through the Sophomore, Junior, and Senior years. The study begins with lectures and recitations on the non-metallic elements and their compounds. In connection with these subjects the elements of Theoretical Chemistry are taught, and the students are given practice in the solution of a variety of chemical problems.

1. Inorganic Chemistry, the non-metals. This course is devoted to the elementary principles of the science. It deals with the nature and properties of a few common elements and the application of the fundamental laws and theories concerning their combination. Recitations and experimental lectures.

Three hours. First term.

2. General and Experimental Chemistry. A continuation of Course 1, dealing largely with the metallic elements and including a few of the more common carbon compounds. Recitations and lectures with laboratory work.

Three periods. Second term.

Courses 1 and 2 are elective for Sophomores.

3. Qualitative Analysis. An inductive course of basic and acid analysis. Laboratory work, with lectures upon the methods and theories involved.

Three exercises (six hours). First term. Elective for all who have taken Courses 1 and 2, or their equivalent.

4. A continuation of Course 3. The separation of a large number of mixed compounds. This is followed by an introduction to the study of the compounds of carbon, covering the methane and benzene series and their derivatives.

Three exercises (six hours). Second term. Elective for those who have taken course 3.

5. Quantitative Analysis. Laboratory practice in the methods of gravimetric and volumetric analysis; separation and estimation of metals, acids, and water of crystallization.

Three exercises (six hours). First term. Elective for students who have taken Courses 3 and 4.

6. Quantitative Analysis. A continuation of Course 5, with additional work on alloys, ores and mineral waters, with various complex analyses and their applications.

Three exercises (six hours). Second term. Elective for students who have taken Course 5.

7. A lecture and reading course. Historical and theoretical chemistry.

Three hours. First term. Elective for Seniors.

8. General quantitative and research work.

The Laboratory exercises of this course are varied according to the tastes and requirements of individual students.

Three exercises (six hours). Second term. Elective for students who have done superior work in the preceding Courses.

V. ECONOMICS

1. Elementary Economics. A study of the nature and meaning of the principles of Economics and a general survey of such practical economic problems as money, credit and banking, the tariff, monopolies and trusts, the labor problem, etc.

Three hours. Second term. Elective for Juniors.

2. Money and Banking and Public Finance. A study is made of the evolution of money, metallic and paper, of currency problems, the principles and the history of banking in the United States; public expenditures, forms of revenue, debts, financial organization and administration. This course alternates with course 3.

Three hours. First term. Elective for Seniors.

3. Labor Problems—a study of the wage system, profit sharing, labor co-partnership, trade union policies and methods, industrial arbitration, etc. Prerequisite, course 1. Not given in 1910-1911.

Three hours. First term. Elective for Seniors.

VI. ENGLISH

1. Rhetoric and English Composition. Lectures, recitations, themes, conferences, and required reading. A systematic study of description.

Two hours. First term. Required of Freshmen.

2. Rhetoric and English Composition. Lectures, recitations, themes, conferences, and required reading. A systematic study of exposition and narration.

Two hours. Second term. Required of Freshmen.

3. Argumentation. A systematic study of the principles of argumentation. Careful attention in the recitation is given to the analysis of propositions, methods of

briefing, the employment of evidence in the proof, the use of refutation, the preparation of forensics from briefs, and the oral debate. Each student as a part of the work of the course is required to prepare and deliver in public a forensic on some selected proposition. Class debates furnish training in extemporaneous debating and, also, serve to illustrate the principles studied in the recitation. Foster's Argumentation and Debating.

Three hours. First term. Required of Sophomores.

4. Advanced Composition. Open to sophomores who have shown excellence in some form of composition. The work is adapted to individual needs and ambitions. Especial attention is given to qualities of style in writing. The composition work is supplemented by a study of the principles of literary criticism as applied both to prose and to poetry.

Three hours. Second term. Elective for Sophomores.

5. Advanced Argumentation. Open to a limited number of Juniors and Seniors who desire to continue work in debating and who have shown ability in previous work in argumentation.

First term, counts as a three-hour course.

6. Public Speaking. Open to Juniors and Seniors who have shown ability in public speaking. Manuscripts come under the supervision of the instructor in English; training for presentation comes under the direction of the instructor in Oratory.

Second term.

7. *a.* History of English Literature to the end of the Elizabethan Age, with a critical study of selections from Chaucer.

b. The drama. Lectures on the origin and development of the drama and its history from Aeshylus to Shakespeare. Critical study of selected plays of Shakespeare, with required reading of other works of the Elizabethan Age.

Four hours. First term. Required of Juniors.

8. Literature of the Seventeenth and Eighteenth Centuries. Critical study of selected works of prose and poetry, with lectures on the literary history and biography of the period. Required reading of other works, with research in the Library, reports, abstracts, and discussion in class.

Four hours. Second term. Elective for Juniors.

9. Lectures on literary criticism, with special reference to fiction. Reading of selected works of the Nineteenth Century. Investigation of topics in literary history and criticism. Current literature.

Four hours. First term. Elective for Seniors.

10. English Literature of the Nineteenth Century. Special study of Tennyson and Browning.

Four hours. Second term. Elective for Seniors.

11. Teachers' Course. Designed for those who expect to teach English in secondary schools.

Extra, one hour. Second term.

SOPHOMORE PRIZE DEBATES

Preliminary Debates.—All Sophomores are required to take part in these debates, the subjects of which are announced in the first term of Freshman year. A prize for excellence in debate is awarded in each division of the class.

First term.

Champion Prize Debate.—The speakers presenting the best arguments in the Preliminary Debates participate in the Champion Prize Debate, held during Commencement week; all other Sophomores present Essays on a prescribed subject, in competition for a prize.

Second term.

REQUIRED COMPOSITION WORK OF JUNIOR AND SENIOR YEARS

This work, in continuation of that done in courses 1 to 4, is required of all members of the Junior and Senior classes, whether they elect English or not. An essay is presented in each term as follows:

12[1]. Essays based on the study of masterpieces of Exposition or Persuasion.

Junior year, first term.

13[1]. Theses on subjects requiring extended investigation.

Junior year, second term.

14[1]. Original declamations on assigned subjects. Each member of the Class reads his declamation before a committee, by whom the best twelve are selected for delivery in a prize contest during Commencement week.

Junior year, second term.

15[1]. Essays in criticism of some classic in English or American fiction.

Senior year, first term.

16[1]. Original Parts for the Senior Exhibition. Each student reads his part before a committee, who choose twelve to speak in the Exhibition.

Senior year, second term.

17[1]. Commencement Parts. Every member of the class writes a part, but the Commencement speakers are chosen on the basis of scholarship.

Senior year, second term.

VII. FRENCH

1, 2. Elementary French. French Prose and Composition. Three hours. Through the year. Required of Freshmen who do not present French for admission.

1*a*, 2*a*. Intermediate Course. French reading, translation, grammar, and composition. Three hours. Through the year. Elective for students who have had one year's preparation in French.

1*b*, 2*b*. Advanced Course. French Prose and Poetry—Corneille; Racine; Molière; Victor Hugo; George Sand; Alfred de Musset; Rostand. Three hours. Through the year. Elective for students who have passed in Course 1a, 2a, or to those who have presented two years of French for admission.

[3, 4. French Conversation and Composition. Three hours. Through the year. Offered in alternate years. Not offered in 1910-11.] This course is conducted in French, and is elective for students who have a good reading knowledge of French and have had some practice in hearing it.

[5, 6. General View of French Literature. Lectures, translation, themes, collateral reading, and written tests. Three hours. Through the year. Offered in alternate years. Not offered in 1910-11.] Elective for students who have passed in Course 1a, 2a, with the grade of A, or in Course 1b, 2b, with a grade not lower than C.

[7, 8. French Literature of the Sixteenth and Seventeenth Centuries. Lectures, translation, themes, collateral reading, and written tests. Three hours. Through the year. Offered in alternate years. Not offered in 1910-11.] Elective for Juniors and Seniors and such others as many satisfy the instructor of their ability to undertake the course.

9, 10. French Literature in the Eighteenth Century. Lectures, translation, collateral reading, and written tests. Three hours. Through the year. Offered in 1910-11. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

11, 12. French Literature in the Nineteenth Century. Lectures, translation, collateral reading, and written tests. Three hours. Through the year. Offered in alternate years. Offered in 1910-11. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

VIII. GEOLOGY

1. Elements of Geology.

First term. Three periods of one or two hours each. Elective for Juniors and Seniors.

2. General Physiography.

Second term. Three periods of one or two hours each. Elective for Juniors and Seniors.

3, 4. Advanced studies in General Geology and Physiography. Three periods of one or two hours each. Elective for students who have passed Geology 1 or 2.

IX. GERMAN

The study of German is required during the Sophomore year and is elective during the Junior and Senior years, three hours per week.

The aim of the required work is the acquisition of a thorough knowledge of the fundamentals of German grammar and the ability to translate into good English all texts read, an introduction to the masterpieces of the German drama of the classical period, a general knowledge of the history of German Literature and a comprehensive view of the tendencies in German literature since Goethe's death.

Careful drill in pronunciation and the intelligent reading of the German text are insisted upon. Some practice in conversation is given, and German is used in the class-room as far as is deemed advisable by the instructor. In the elective courses a large amount of collateral reading outside the class-room is expected. Advanced grammar and composition are not lost sight of throughout the course, although no specialty is made of these subjects after the first year.

1, 2. Elementary Course. Grammar, composition, reading. Three hours. Through the year. Required of Freshmen who present elementary French for admission; and of Sophomores who have not taken the equivalent.

3, 4. Intermediate Course. German Prose and Poetry. Selected works from such authors as Storm, Baumbach, Heyse, Riehl, and Grillparzer; review of the grammar of the first year, and study of syntax based upon the text; prose composition.

Three hours. Through the year. Required of Freshmen who present elementary French and elementary German for admission; elective for Sophomores.

5, 6. Introduction to German Literature of the Eighteenth Century. Selected dramas from Lessing, Schiller, and Goethe.

Three hours. Through the year. Elective for Juniors.

7. German Literature from 1800-1850. The Romantic School; Heine.

Three hours. First term. Elective for Seniors.

8. German Literature from 1850 to the present time. The development of the Novel and Drama.

Three hours. Second term. Elective for Seniors.

9, 10. Scientific German. The reading of scientific German prose.

One hour. Through the year. Elective for Seniors.

X. GREEK

The courses in Greek are so arranged as to give the student a first-hand acquaintance with nearly all the divisions of the wide and varied field of Classical Greek Literature—Epic and Lyric Poetry, the Drama, the Historians, the Orators, Plato and Theocritus. The foremost purpose is to lead to an appreciation of the individual masterpieces read. At the same time the student is encouraged to become acquainted with the entire groups of which these separate works are specimens, and with the history, civilization and art of the periods to which they belong. Lectures and class and individual assignments of library work serve to enlarge the outlook gained from study of a single text. With the same end in view as many additional works as possible are covered through sight reading, and the reading and discussion of translations. While drill in grammar and syntax is not made the main end, accuracy and precision in these subjects are insisted upon throughout the course. Another constant purpose is to prepare intelligent and enthusiastic teachers of the Classics.

Courses 1 and 2 are required for all Freshmen who offer Greek for entrance. Students who expect to teach Greek or Latin, or who desire to secure a fairly complete classical course, are advised to continue Greek at least through their Sophomore year, taking courses 3 and 4, or 5 and 6. These courses are open also to Juniors.

Courses 7 and 8 also are recommended to those who expect to teach Greek. Course 7 is a valuable course for general culture, and requires no knowledge of the Greek language.

1. The Odyssey, selections from Books I-XII.

Three hours. First term. Required of Freshmen who present Greek for entrance.

2. Lysias, Selected Orations. Study of Athenian Life, based on Gulick's Life of the Ancient Greeks.

Three hours. Second term. Required of Freshmen who present Greek for entrance.

3. The Greek Tragic Poets. At least two plays will be read in the Greek and others in English version.

Three hours. Frst term. Elective for Sophomores and Juniors.

4. Plato, Apology and Crito, and selections from the Republic.

Three hours. Second term. Elective for Sophomores and Juniors.

[5. Iliad of Homer; reading of selected books, and of intervening passages in English versions, with a view to acquiring a knowledge of the Iliad as a whole.

Three hours. First term. Elective for Sophomores and Juniors. Not offered in 1910-1911.]

[6. Greek Lyric Poetry and the Idyls of Theocritus. Three hours. Second term. Elective for Sophomores and Juniors. Not offered in 1910-1911.]

7. Greek Civilization and Literature. The first half of the term will be devoted to a study of the social, religious, artistic and political development of the Greek race, from the pre-historic period to the time of Alexander. The work will be in the form of lectures, with assigned collateral reading. In the latter half of the term Fowler's "Ancient Greek Literature" will be used as a text-book,

supplemented by translation by the instructor of portions of selected works and by reading of others in English versions by the students. This course is open to all Seniors, whether they have studied Greek or not.

Three hours. First term. Elective for Seniors.

[8. Greek Composition.

One hour per week, first and second terms. Elective for Sophomores, Juniors and Seniors. Not offered in 1910-1911.]

The following courses are designed for students who enter college with a preparation in French or German instead of Greek, and who wish to begin Greek in the Freshman year. The same credits are given for these courses as for Courses 1 to 4. Students who have completed Course 4a may, in their Junior year, enter upon Course 1, or, with the approval of the instructor, upon Course 3 or 5.

1a and 2a. White's First Greek Book and Xenophon's Anabasis, Book IV.

Three hours. First and second terms. Elective for Freshmen.

3a. Selections from Lucian and Herodotus. Review of Grammar and Syntax.

Three hours. First term. Elective for Sophomores.

4a. Homer, Selected Books from the Iliad or Odyssey.

Three hours. Second term. Elective for Sophomores.

XI. HISTORY

ANCIENT

For courses 1, 2, and 3 see courses 5, 6, and 8 on page 40.

4. Greek and Roman Statesmanship. Greek and Roman History, studied with special reference to the

problems encountered by statesmen in foreign relations and domestic politics.

Three hours. Second term. Elective for Freshmen.

See also, in the Greek Department, Course 7, Greek Civilization and Literature.

MEDIAEVAL AND MODERN

5. Mediæval Europe. A survey of the Roman Empire, the invasions of the German tribes, and a more detailed study of the development of France, Germany and Italy throughout the mediæval period. Special attention is given to such topics as Feudalism, the Crusades, the Mediæval Church, the Renaissance and the Protestant Reformation.

Three hours. First term. Elective for Sophomores.

6. The Modern Age. Continuing course 5, it deals with the development of the leading Continental European nations up to the present time. The last twelve weeks of the term are devoted to a more detailed study of the political and constitutional development of England throughout the entire period of her history.

Three hours. Second term. Elective for Sophomores.

7. American History to 1800. A study of the establishment of the various European Colonies in America, their expansion, their political, social and economic development, the struggle between the French and the English for the possession of North America, the causes and the progress of the Revolutionary War, the formation of the Constitution, and the rise of political parties.

Three hours. First term. Elective for Juniors.

8. American History, 1800 to the present time. Attention is centered upon the growth of nationality during the first part of the nineteenth century, the political phase of the controversy over slavery, upon the Civil War and Reconstruction and upon the more important features of recent American History.

Three hours. Second term. Elective for Juniors.

9. Europe in the Nineteenth Century. Mainly political, introductory to European politics of the present day. A preliminary study is made of the characteristic features of the Ancient Regime and of the French Revolutionary and the Napoleonic periods.

Three hours. First term. Elective for Juniors and Seniors.

XII. LATIN

Latin is offered throughout the four years, three hours a week, except in Latin 4a, and is required of all Freshmen who are candidates for the degree of Bachelor of Arts. The courses for Juniors and Seniors are given in alternate years, and are open to both classes.

The courses of study in this department have been arranged with the belief that an acquaintance with Latin literature is an essential of real culture. An effort is made to cultivate the ability to read Latin easily and at sight, to secure grace in translation, an appreciation of the literary worth of the author, and a clear mental picture of the life and times in which each wrote.

Students intending to devote themselves to the teaching of Latin are advised to pursue the study of Latin for at least three years, and of Greek for at least two.

1. Livy: Burton's Selections.

Three hours. First term. Required of Freshmen who are candidates for the degree of Bachelor of Arts.

2. Horace: Odes, Epodes, and *Carmen Saeculare*.

Three hours. Second term. Required of Freshmen.

3. Cicero: *De Senectute, De Amicitia,* and Tusculan Disputations, Book I.

Three hours. First term. Elective for Sophomores.

4. Latin Comedy: Two plays of Plautus, and one of Terence.

Three hours. Second term. Elective for Sophomores.

4a. Latin Composition.

One hour. Through the year. Elective for Sophomores.

5. Juvenal: Selected Satires. Martial: Selected Epigrams.

Three hours. First term. Not offered in 1910-1911.

6. Tacitus: Selections.

Three hours. Second term. Not offered in 1910-1911.

7. Pliny the Younger: Selected Letters. Tibullus, Propertius, and Ovid: Selected Elegies.

Three hours. First term. Elective for Juniors and Seniors who have completed at least two elective courses.

8. Horace: Selected Satires and Epistles.

Second term. Three hours. Elective for Juniors and Seniors who have completed at least two elective courses.

Special attention is called to the courses mentioned below. As was stated on page 36, students whose knowledge of Latin does not satisfy the requirements for admission, but whose preparation is otherwise adequate, will make up their deficiencies in college, provided they desire to become candidates for the degree of Bachelor or Arts.

The Assistants in Latin will give instruction to such students in the following courses:

a. First Year Latin. Five hours. One year.
b. Second Year Latin. Four hours. One year.
c. Third Year Latin. Four hours. One year.

XIII. MATHEMATICS

1. Algebra and Solid Geometry. Ratio and proportion, variation, series, binomial theorem, undetermined coefficients, logarithms, permutations and combinations, continued fractions, theory of equations, graphic algebra. Wells' College Algebra. This portion of the work closes before the holiday vacation, and the remainder of the term is given to solid geometry, which includes polyhedral angles, the various solids bounded by planes, the cone, the cylinder, and the sphere. This course includes a large amount of original work in demonstration and computation. Phillips and Fisher's Elements of Geometry.

Three hours. First term. Required of all Freshmen.

2. Solid Geometry and Trigonometry. Plane Trigonometry with problems and applications. Phillips and Strong's Trigonometry.

Three hours. Second term. Required of all Freshmen.

3. Spherical Trigonometry, Surveying and Plane Analytic Geometry. This is a continuation of Course 2, with problems and applications to astronomy. This portion of the work closes the fourth week and the remainder of the time before the holiday recess is given to surveying which includes the theory of chain, compass, and transit surveying, leveling, the adjustment and use of

instruments, computation of area, and scale drawings. Hodgman's Land Surveying. The remainder of the term is given to Plane Analytical Geometry. A study of the point and line. Tanner and Allen's Analytic Geometry.

Three hours. First term. Elective for Sophomores.

4. Analytic Geometry. A continuation of course 5. The circle and transformation of co-ordinates, conic sections, equation of second degree, elements of solid analytic geometry.

Three hours. Second term. Elective for those who have taken Course 3.

5. Differential Calculus. Differentiation of algebraic and transcendental functions with application to problems, change of the variables in derivatives, maxima and minima of functions of two or more independent variables, curve tracing, envelopes. Osborne's Differential and Integral Calculus.

Three hours. First term. Elective for those who have taken courses 3 and 4.

6. Integral Calculus. Various methods of integration with applications.

Three hours. Second term. Elective for students who have taken the previous courses.

7. Integral Calculus completed and Differential Equations. Integration as a summation, successive integration, surface, volume and moment of inertia of any solid, centre of gravity, pressure of fluids, force of attraction. This portion of the work closes with the tenth week of the first term and the remainder of the term is given to Differential Equations (Elementary course). Solution of ordinary and partial differential

equations with applications to geometry and physics. Campbell's Differential Equations.

Three hours. First term. Elective for students who have taken courses 3 to 6 inclusive.

8a. Differential Equations completed. This is a continuation of course 7 and closes before the spring vacation.

8b. Determinants and Theory of Equations. This course is devoted to determinants, complex quantities, properties of polynomials, general properties of equations, symmetric functions, limits and separations of the roots of an equation, elimination and solution of numerical equations. Barton's Theory of Equations.

Three hours. Last eleven weeks of the second term. Elective for Seniors.

XIV. ORATORY AND VOICE CULTURE

1. The study and development of elemental thought processes as related to Vocal Expression. Attention. Sequence of Ideas. Conception.

Vocal Training. Correct method of breathing. Openness of tone passage. Preparatory actions for speech. Ease, freedom and openness in tone production. The study of articulation, enunciation and pronunciation.

One hour. Second term. Required of Freshmen.

Prize Speaking, in which every member of the Freshman Class is prepared by special instruction and drill, and in which the principles studied in class are applied to public speaking.

2. The development of the Logical Instinct in speaking. The study of Emphasis and its various forms of expression. Inflection. Change of Pitch. Pause. Antithesis. Subordination. Movement. Force.

Vocal Training, to secure control of breath and elasticity of tone.

One hour. First term. Required of Sophomores.

Prize Speaking, in which every member of the Sophomore Class is prepared by special instruction and drill.

3. The study of the Elements of Naturalness in speech. Work in conversation, narration, description and soliloquy to develop naturalness in speech form.

Vocal Training, continued to develop agility and ease.

One hour. First term. Elective for Juniors.

Special training for students competing for the Junior Exhibition.

4. Development of the Dramatic Instinct. Study of a Shakesperian play and short scenes from the old comedies.

One hour. Second term. Elective for Senior women.

5. Study of the different forms of Oratory. Work on examples of each style, with training in gesture and attitude, as related to public speaking.

One hour. Second term. Elective for Senior men.

6. Class in Methods of Teaching Elocution and Oratory designed to aid those who may have to coach students in Prize Speaking contests and Graduating parts.

One hour. Second term. Elective for Seniors who have completed courses 1, 2 and 3.

XV. PHILOSOPHY

1. Christian Ethics. The aim of this course is to derive from the life and teachings of Christ the ideals and principles that are permanently applicable to human conduct, and to show their relations to the problems of individual character and of social progress presented in the life of to-day. The Bible and Stalker's "Life of

Christ" are used as text-books. There is a constant endeavor to make the work practical. To this end, topics requiring special reading are assigned, essays and discussions are prescribed, and occasional talks and lectures are given.

One hour. First term. Required of Freshmen.

2. Psychology. A general, introductory study of the principles of mental activity. So far as possible mental life is studied in relation to neural conditions. The nature and processes of the various orders of sensation are exemplified from every day experiences. It is the constant aim to translate principles into facts; to explain abstractions by particular instances; simple experiments for determining reaction time for the different senses are introduced. Each student selects from a prescribed list certain habits to form and carefully notes and records the results. The tests and examinations are given for the purpose of determining how far the knowledge gained can be applied.

The text-book is supplemented by talks, informal lectures, and required reading. The student is encouraged to compare the authorities consulted with the conclusions that he derives from introspection; and an attempt is made, especially in the study of Attention, Association, Imagination, and Memory, to discuss and compare differences in mental individuality. So far as practicable, Psychology is made to shed light on the problems of Education and to yield practical suggestions to teachers. In the consideration of the Instincts, the Emotions, and the Will, the work is conducted largely from the ethical as well as the pedagogical point of view.

Three hours. Second term. Required of Juniors.

3. Advanced Psychology. A more intensive study of some of the problems treated only cursorily in Course 2, and an examination of many phases of the subject there altogether omitted. Of the latter mention may be made of Suggestion and Hypnotism, Social Psychology, and Genetic and Comparative Psychology, especially so far as these throw light upon the problems of Education.

Three hours. First term. Elective for Seniors.

4. Philosophy. A general, introductory course designed to acquaint the student with some of the fundamental problems of thought, and with their historical development. The course begins with a reading of Paulsen's *Introduction to Philosophy,* the text serving as a basis for a discussion of such problems as the Relation of Philosophy to Religion, Philosophy and Science, Materialism, Naturalism, Evolution, Theism, Pantheism, The Nature of Truth, etc.

The latter half of the term is devoted to a brief survey of some of the systems of thought of modern times; Descartes, Leibnitz, Berkeley, Hume, Kant, Hegel, and others are thus briefly studied.

Three hours. First term. Elective for Seniors.

5. Ethics. A study of various ethical theories with a view to finding a satisfactory basis for both civic and personal morality. The influence of Evolution upon Ethical Theory will be discussed and the metaphysical implicates of Ethics examined. The text will be supplemented by required reading, reports and informal discussions.

Three hours. Second term. Elective for Seniors.

6. Logic. This course is designed not merely to acquaint the student with the principles of formal logic, but to enable him to utilize the knowledge gained in analyzing and evaluating argument. Theory is not disre-

garded, but practical value is made paramount. By actual practice in detecting fallacies the student is put upon his guard against error both in his own thinking and in the thought of others. Deduction and Induction are each studied in this way, especial attention being given to their application to argumentation.

Three hours. Second term. Elective for Juniors.

FINE ARTS

1. The Fine Arts. This course is a study in the interpretation of the fine arts, Architecture, Sculpture, Music, and Painting, and is designed to give the student an intelligent basis for appreciating representative works in these various arts. The subject is introduced through historical data, though more stress is laid upon the purpose and principles which underlie the several arts. Constant use is made of illustrative material so that these principles may be seen to have a concrete value and reality. Good taste being regarded as the essential element in art education, the principles of correct judgment are emphasized throughout the course.

Three hours. First term. Elective for Juniors.

EDUCATION

The purpose of the following courses in Education is twofold: First, to acquaint the student with the general nature, function, and importance of education as one of the institutions of society for its own development; second, to give the student a clear conception of the educative process psychologically considered, and to help him to develop from such knowledge the principles of classroom methods and management. Theory is emphasized for the sake of breadth of view and perspective, though always with the understanding that the fruit of theory is correct and effective practice. The courses are designed to cover the requirements of the various States for work in this department.

1. History and Philosophy of Education. The course begins with a study of the educational practices of some of the nations of antiquity and of the Orient with a view to discovering how far, and in what way their national characteristics have been shaped by their educational methods. Following this, the development of the occidental conception of education is traced down through the dominating ideas of the mediæval world and in the theories of modern reformers from Rousseau to Spencer.

The Philosophy of Education is designed to give the student a clearer and a broader conception of the nature and importance of education as a function of society, and of its value for the individual.

Three hours. First term. Elective for Seniors.

2. Methods and Management. A study of the principles of mental growth and the concrete application of such knowledge to the special problems of the teacher. Such practical subjects as The Formal Steps in the Recitation, the Study Hour, Punishment, School Routine, etc., are made topics for extended reading and discussion.

Three hours. Second term. Elective for Seniors.

XVI. PHYSICS

1. Elementary Mechanics and Heat. Recitations, with special attention to the solution and discussion of numerous practical problems, and laboratory work in precise measurements.

Three recitations and one laboratory period per week. Second term. Required of Freshmen who are candidates for the B. S. degree.

2. Elementary Light and Sound. A continuation of course 1.

Two recitations and one laboratory period per week. First term. Required of Sophomores who are candidates for the B. S. degree.

3. Elementary Electricity and Magnetism. A continuation of course 2.

Two recitations and one laboratory period per week. Second term. Required of Sophomores who are candidates for the B.S. degree.

4, 5. General Physics. A course for students intending to take the A. B. degree and teach Physics in a High School. This course will emphasize the cultural rather than the technical side of the subject. It will comprise recitations and laboratory work with lecture table experiments.

Two recitations and one laboratory period per week. First and second terms. Elective for Sophomores.

6, 7. General Physics (advanced course). A continuation of course 5.

Two recitations and one laboratory period per week. First and second terms. Elective for Juniors who have completed 4, 5.

8. Direct Currents. Recitations, lectures, and practical problems in modern engineering practice.

Three hours per week. First term. Elective for Juniors who have completed 1, 2, 3,

9. Alternating Currents. A continuation of course 8.

Three hours per week. Second term. Elective for students who have completed 8.

10. Electrical Laboratory. Advanced experiments in Electricity and Magnetism, including technical and precise measurements, photometry, standardization of instruments, construction of apparatus, etc.

One period per week. First and second terms. Elective for students taking 8, 9.

11, 12. Analytical Mechanics.

Three recitations per week. First and second terms. Elective for Seniors who have studied Calculus.

MECHANICAL DRAWING

The courses in drawing are designed to meet the requirements of students intending to study either civil, mechanical, or electrical engineering. The work is made as practical as possible.

1, 2. Mechanical Drawing. The use of instruments. Geometrical problems and projection. Simple mechanical details. Introductory to all courses in drawing. Three periods per week. First and second terms of Freshman year.

3. Descriptive Geometry. Recitations and drawing. A continuation of course 1. Three periods per week. First term of Sophomore year.

4. Machine Drawing. Elementary course. Three periods per week. Second term of Sophomore year.

5. Topographical Drawing. Three periods per week. Second term of Sophomore year.

XVII. POLITICAL SCIENCE

A course dealing primarily with the forms of federal, state and local government in the United States. Incidentally some attention is given to the fundamental nature of the state, of government in general, and of law. The main features of the political systems of Great Britain, Germany and France are also considered. Three hours. Second term. Elective for Seniors.

XVIII. SPANISH

1, 2. Elements of Spanish.

Three hours. Through the year. Elective for Juniors and Seniors and, by special permission, for Sophomores. Given in 1910-11 and in alternate years thereafter.

XIX. HYGIENE AND PHYSICAL TRAINING FOR MEN

HYGIENE

The Director of Physical Training gives each young man entering the Freshman Class a thorough physical examination during the first term of his attendance at College. From the measurements and strength tests taken, a chart is made out for each student, showing his size, strength, and symmetry, in comparison with the normal standard, and also what parts of the body are defective either in strength or development. A handbook containing the exercises prescribed for the correction of any physical defects shown by his chart, and giving specific directions in regard to diet and bathing, is furnished each student.

When any student is found defective in vision, he receives from one of the college oculists the specific treatment that his case may require.

Oculists

ANSON A. COBB, M.D.,
236 Main Street, Auburn

CHARLES E. NORTON, M.D.,
118 Lisbon Street

W. J. PENNELL, A.M., M.D.,
223 Main Street, Auburn

FREDERICK S. WAKEFIELD, A.B., M.D.,
342 Main Street

E. A. McCOLLISTER, A.M., M.D.,
103 College Street

GEORGE P. EMMONS, A.M., M.D.,
147 Lisbon Street

PHYSICAL TRAINING

1. Class exercises: Military drill, setting-up exercises, and Indian-club swinging. Squad exercises (graded to suit the strength of each division): Basketball, indoor athletics, chest-weights, developing appliances, bar, rings, etc. From the first of November to the first of April. Required of Freshmen.

2. Class exercises: Setting-up exercises, dumb-bell drill. Squad exercises: Boxing, wrestling and heavy gymnastics, basketball, bowling, indoor athletics. Required of Sophomores.

3. Class exercises: Setting-up exercises, fencing with single sticks and with broad-swords. Squad exercises: Basketball, indoor athletics, heavy gymnastics. Required of Juniors.

PHYSICAL TRAINING FOR WOMEN

Physical training is a very important factor in the best moral, mental and spiritual growth, and in the development of strong, refined and useful women. The aim of this department is to aid in the physical development and the maintenance of health of each young woman during her college course.

The plan of work is as follows: the Director ascertains the physical condition of each young woman entering the Freshman Class by means of a physical examination which includes measurements and strength tests and a thorough examination of the heart and lungs. At the end of the Junior year, a second examination is given, making possible a comparison with the first measurements and strength tests showing any increased strength and development. The physical training consists of outdoor exercises in the fall and spring and indoor gymnasium work in the winter. The out-door exercise is taken in the form of walking, hockey, tennis, baseball or any of the other out-door sports. The work in the gymnasium under the personal supervision of the Director begins the first of November and continues until the spring recess.

The gymnastic work is based upon the Swedish system. The exercises consist of free-hand floor work and light apparatus work especially adapted to women. These exercises involve the complete and powerful use of all the large groups of muscles, thus producing the essential hygienic effect, tending to correct faulty postures and to give training in co-ordination. Such games as indoor basketball, volleyball, captainball, and others, played under the supervision of the Director, are of the greatest educational value. Fancy steps and Gilbert æsthetic movements train especially the sense of rhythm and the power of co-ordination. The practical results derived from this work are grace, ease of movement and bearing, with a certain amount of endurance.

Three hours a week. Through the year. Required of Freshmen, Sophomores, and Juniors. Elective for Seniors.

Outline of Studies

The figure preceding a subject indicates the number of the course in that study as explained on pages 39 to 73. The figure following a subject indicates the number of exercises per week. Electives are italicized. The left-hand column in the Freshman year shows the arrangement of courses for students who are candidates for the A.B. degree; the right-hand column, the arrangement for candidates for the B.S. degree. Subjects in square brackets [ ] are not offered in 1910-1911.

FRESHMAN YEAR

First Term

A.B.			B.S.		
1	Christian Ethics	1	1	Christian Ethics	1
1	English	2	1	English	2
1, 1 *a*	French or	3	1, 1 *a*	French or	3
1, 3	German	3	1, 3	German	3
1	Greek (for students presenting Greek)	3	1	Mathematics	3
1	Latin	3	1	Physiology	3
1	Mathematics	3	1	Mechanical Drawing	3
1 *a*	*Greek*	3	1	*Ornithology*	1
1	*Mechanical Drawing*	3			
1	*Ornithology*	1			
1	*Physiology*	3			

For Courses in Elementary Latin see Page 61.

Second Term

2	English	2
2, 2 a	French or	3
2, 4	German	3
2	Greek	3
2	Latin	3
2	Mathematics	3
1	Oratory	1
1	*Biblical Literature*	3
1	*Botany*	3
2 *a*	*Greek*	3
4	*History*	3
2	*Mechanical Drawing*	3
2	*Ornithology*	1

2	English	2
2, 2 *a*	French or	3
2, 4	German	3
2	Mathematics	3
1	Oratory	1
1	Physics	3
1	*Biblical Literature*	3
1	*Botany*	3
4	*History*	3
2	*Mechanical Drawing*	3
2	*Ornithology*	1

SOPHOMORE YEAR

First Term

3	English	3
1	German	3
2	Oratory	1
2	Physics (B.S.)	3
5	*Oriental History*	3
1	*Chemistry*	3
3	*Descriptive Geometry*	3
1 *b*, 9	*French*	3
3	*German*	3

3, 3 *a*	*Greek*	3
8	*Greek*	3
5	*History*	3
3	*Latin*	3
4 *a*	*Latin*	1
3	*Mathematics*	3
4	*Physics*	3
1	*Spanish*	3
1	*Zoology*	3

Second Term

4	English	3
2	German	3
3	Physics (B.S.)	3
2	*Chemistry*	3
6	*Oriental History*	3
1	*Botany*	3
[2	*Botany*	3]
2 *b*, 10	*French*	3
4	*German*	3
4, 4 *a*	*Greek*	3
8	*Greek*	1
2, 6	*History*	3
4	*Latin*	3
4 *a*,	*Latin*	1
4	*Mathematics*	3
5	*Physics*	3
2	*Spanish*	3
4	*Machine Drawing*	3
5	*Topographical Drawing*	3
2	*Zoology*	3

JUNIOR YEAR

First Term

7	English	4
[3	*Botany*	3]
3	*Chemistry*	3
5	*Christian Literature*	3
5	*English*	3
1	*Fine Arts*	3
9, 11	*French*	3
1	*Geology*	3
5	*German*	3
3	*Greek*	3
13	*Hebrew*	3
7, 9	*History*	3
7	*Latin*	3
5	*Mathematics*	3
3	*Oratory*	1
6, 8	*Physics*	3
10	*Physics*	1
2	*Prophets*	3
1	*Spanish*	3
3	*Zoology*	3

Second Term

2	Psychology	3
4	*Chemistry*	3
6	*English*	3
8	*English*	4
10, 12	*French*	3
2	*Geology*	3
6	*German*	3
4	*Greek*	3
14	*Hebrew*	3

8	*History*	3
8	*Latin*	3
6	*Mathematics*	3
6	*Logic*	3
7, 9	*Physics*	3
2	*Spanish*	3
3	*Wisdom Literature*	3
4	*Zoology*	3

SENIOR YEAR

First Term

1	*Astronomy*	3
[3	*Botany*	3]
5, 7	*Chemistry*	3
8	*Christian Literature*	3
2	*Economics*	3
[3	*Economics*	3]
1	*Education*	3
5	*English*	3
7	*English*	4
9	*English*	4
9, 11, 13	*French*	3
1	*Geology*	3

7, 9	*German*	3
7	*Greek*	3
13, 15	*Hebrew*	3
9	*History*	3
7	*Latin*	3
7	*Mathematics*	3
4, 5	*Oratory*	1
4	*Philosophy*	3
3	*Psychology*	3
11	*Physics*	3
1	*Spanish*	3
5	*Zoology*	3

Second Term

2 *Astronomy*	3	10 *History*	3
6, 8 *Chemistry*	3	8 *Latin*	3
2 *Education*	3	8 *Mathematics*	3
6 *English*	3	6 *Oratory*	1
10 *English*	4	5 *Philosophy*	3
10, 12, 14 *French*	3	12 *Physics*	3
17 *French*	3	1 *Political Science*	3
2 *Geology*	3	2 *Spanish*	3
8, 10 *German*	3	6 *Zoology*	3
14, 16 *Hebrew*	3		

BACHELOR'S DEGREES

The courses of instruction offered lead to the degree of Bachelor of Arts or Bachelor of Science.

The different departments of instruction are arranged under three groups: I, Languages; II, Philosophy (including History and the Social Sciences); and III, Sciences (including Mathematics).

GROUP ARRANGEMENT OF STUDIES

GROUP I	GROUP II	GROUP III
Languages	*Philosophy*	*Sciences*
English	Christian Literature	Astronomy
French	Economics	Botany
German	Education	Chemistry
Greek	Ethics	Engineering
Hebrew	Fine Arts	Geology
Latin	History	Mathematics
Spanish	Oriental Literature	Ornithology
	Philosophy	Physics
	Political Science	Physiology
	Psychology	Zoology

MAJORS AND MINORS

All candidates for degrees are required to make their selections with reference to major and minor subjects.

A major subject is one which is pursued at least three hours per week for three consecutive years, or consists of nine three-hour courses of definitely related subjects. The following are the major subjects available according to the present schedule: English, French, German, Greek, Latin, Biblical Literature, History, Philosophy (including Education and Fine Arts), Biology, Chemistry, Geology-Astronomy, Mathematics, and Physics.

A minor subject is one which is pursued at least three hours per week for two consecutive years, or consists of six three-hour courses of definitely related subjects, and may be pursued in any of the subjects possible for majors. In certain other cases, by arrangement with the Committee on Curriculum, a major or a minor study may be made up by a combination of related courses from different departments.

REQUIREMENTS

A candidate for the degree of Bachelor of Arts must complete before graduation a major subject in Group I or II, and a minor subject, beginning after the Freshman year, in each of the other Groups. A candidate for the degree of Bachelor of Science must complete before graduation a major and a minor subject in Group III, and a minor in each of the other Groups.

In complying with the above conditions, subjects indicated as required in the "Outline of Studies" may count equally with electives. A student in making his selections for the Junior year should indicate in which Group he intends to secure his Major, and in making his selections for the Senior year should indicate the Departments in which he intends to secure his Major and his Minors.

REGISTRATION

The committee on registration is in session on the first day of each term, and all students are required to register at that time unless previously excused. Students failing to comply with the above requirement are charged one dollar for subsequent registration, and this sum will be collected with their term bills.

HONORS

The method of awarding honors and assigning Commencement parts is as follows: Six honors, three to young men and three to young women, are awarded for Scholarship in each of the three general Groups as given under the Group Arrangement of Studies.

From the eighteen persons receiving these honors eight are selected to deliver Commencement parts.

LABORATORIES

CHEMICAL

On the first floor of the Hedge Laboratory are the chemical lecture room, with rooms adjoining for chemicals and apparatus, and a class laboratory room fitted up with tables and sinks sufficient to accommodate thirty-two students. The large laboratory room for qualitative analysis occupies the most of the second floor. It is well lighted, thoroughly ventilated, and conveniently fitted with sinks, hoods, and tables sufficient to accommodate seventy-three students. Adjoining this room are the weighing and apparatus rooms and the private laboratory of the professor. The removal of the coal bins and steam boiler from the basement of this building made it possible to use the whole of that floor for stock and laboratory rooms. Excellent accommodation has thus been provided for fifty-seven additional students.

The arrangement and appliances of the whole building are in accordance with most approved plans of modern laboratories.

PHYSICAL

The department comprises a well arranged lecture-room, a large and well appointed general laboratory and apparatus room, a dynamo room and workshop, and a dark room. These are conveniently arranged and well furnished for their purposes. The collection of apparatus for lecture purposes and for student laboratory work is rapidly growing.

BIOLOGICAL

Excellent accommodations have been prepared in Science Hall for a Biological laboratory and recitation rooms. These are fitted with the necessary appliances and afford ample opportunities for thorough and extensive work in this department.

CABINETS

BOTANICAL

The nucleus of the Herbarium was gathered many years ago by an enthusiastic botanist, the late Dr. Aaron Young. It contained a representative collection of New England plants. Many of the Maine specimens were gathered during the State Geological Survey, conducted by the late Dr. Charles T. Jackson. The plants chiefly used now, however, in identifying species, constituted the herbarium of the late President Chadbourne of Williams College.

Of this, Dr. O. R. Willis, a distinguished botanist of New York, has said: "It is one of the best working herbariums I have ever examined." Besides its collection of New England plants, including the grasses, sedges, ferns, etc.—in all about two thousand specimens—it has several groups of ferns from other countries, also fairly complete collections of mosses and lichens, named by the highest authorities, and more than a thousand fungi. There are collections of the plants of New Jersey, Tennessee, and Florida, also from several foreign countries, illustrating the identity of many families in Europe and America. There are, also, collections from Greenland, Labrador, and the tropics, and mountain flora from the Rocky Mountains, the White Mountains, and the Alps. There are, besides, some fifteen hundred duplicates. All these collections are in cabinets of the most approved construction.

MINERALOGICAL

The cabinet of minerals, shells, and fossils occupies a large room on the second floor of Science Hall. The collection is conveniently arranged and is steadily growing. No attempt is made to secure showy shelf specimens.

Educational value is the only thing considered. All the common minerals, and many of those of rare occurrence, are fully represented by typical specimens. It is intended to make the collection of local minerals as complete as possible. Among the shells and fossils are many choice specimens.

ORNITHOLOGICAL

The ornithological collection contains mounted specimens of nearly all the New England birds, besides many from other parts of the United States and from foreign countries. In all there are about one thousand specimens.

LIBRARIES

The number of volumes in the different libraries is as follows:

College Library (exclusive of pamphlets),	*30,283
Divinity School Library,	6,153
Total,	36,436

The college library has been selected with special reference to the needs of the several departments. It is composed mainly of modern publications, and contains many important works of reference.

Special funds from which income for the purchase of books is derived are the following:—

The Benjamin E. Bates Library Fund, founded in 1906, by a gift of $10,000 from Mr. Clement S. Houghton of Boston. This fund was given in memory of Benjamin E. Bates, the son of the Benjamin E. Bates whose name the college bears, and himself for twelve

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* This includes about 600 volumes donated by the Polymnian Society, and an equal number donated by the Eurosophian Society.

years a devoted and efficient member of the Board of Fellows of the Institution. The income of this fund is expended in the purchase of works upon History, Economics, Sociology and Mathematics—subjects in which Mr. Bates was much interested.

The Stephen and Mary Stickney Library Fund was established in 1909 by a legacy of $7,000 from Mrs. Mary M. S. Spaulding in memory of her parents. The income from this fund is not available this year.

Considering the expense involved in purchasing books most necessary to keep the library abreast of the times, the generous aid of friends of the College is invited to the establishment of new funds.

UNIVERSITY EXTENSION

Members of the Faculty are prepared to give lectures upon subjects in Science, Literature, Philosophy, History, Economics, Sociology, Pedagogy and Art. Particulars can be learned by correspondence with the President, or the Secretary of the Faculty.

APPLIANCES FOR PHYSICAL TRAINING

The gymnasium is steam heated and equipped with the apparatus necessary for the thorough and systematic training and development of the human body. This apparatus is new and of the most approved modern pattern. In the basement of the Gymnasium are a pair of excellent bowling alleys; also convenient bathrooms, provided with lockers, hot and cold water, dip baths, shower baths, etc.

The women's dormitory contains a gymnasium sixty by forty feet long and twenty feet high. Adjoining the gymnasium are the Director's office and the bath and locker room. The office is supplied with a set of anthropometrical apparatus; the bath and locker room contains four shower baths and one hundred and fifty-six lockers. All the apparatus is new and of the latest pattern, selected and arranged for work that combines the best points of the different systems of physical training. The equipment includes a complete set of Swedish apparatus, developing appliances, foils, masks, jackets for fencing, Indian clubs, dumb-bells, bar-bells. The floor is arranged for indoor gymnastic games, such as indoor baseball and basketball.

Ten fine tennis courts offer abundant opportunity for this healthful game.

ATHLETIC FIELD

The Garcelon Athletic Field, named in honor of the late Alonzo Garcelon, M.D., of the original governing board of the College, is considered one of the best in New England. It has a tasteful and commodious Grand Stand, sufficient for all present needs. The field, surrounded by a fence, has an area of seven acres. It contains a quarter-mile track, a two hundred and twenty yard straight-away, take-offs for the jumps and pole vault, a football field, and a baseball diamond.

OUTDOOR RUNNING TRACK

A wooden outdoor running track has been completed recently. The Track is rectangular in shape with a straight-away course of 74 yards. The width of the Straight-away is ten feet. The rectangle is five feet in width with a course of twelve laps to the mile. The Track is located near the Gymnasium. It is of modern arrangement, and, undoubtedly, the best in the State of Maine.

HEALTH OF STUDENTS

The health of students is an object of constant care. Physical examinations are given each year and suitable exercise is prescribed for each student. Lewiston has two of the best Hospitals in New England, and these are always open at special, reasonable rates to students requiring the services of skilful physicians or surgeons.

RELIGIOUS EXERCISES

At the close of the first morning recitation each day all the students, with the Faculty, assemble in the chapel for prayer, reading of Scripture and singing. The Students' Christian Associations—Young Men's and Young Women's—hold a union meeting once in two weeks in the Association room, from 6.30 to 7.15 o'clock. Every alternate Wednesday evening the Y. W. C. A. holds a religious service in Fiske Hall, from 6.30 to 7.15 P.M. The prayer-meetings of the Y. M. C. A. occur fortnightly on Wednesday evenings, alternating with the union meetings.

The methods employed are successful in making the meetings varied, attractive, earnest, and spiritual. One meeting each month is devoted to some phase of missionary work. Distinguished speakers address the Y. M. C. A. meetings from time to time.

In addition to these, weekly class prayer-meetings are held and are usually well attended.

Voluntary classes for the study of the Bible are maintained each year under the auspices of the Y. M. C. A. During the first semester of the present year the Seniors and Juniors have united in the study of the Social Teachings of Jesus. This class has an enrolment of forty members and is conducted by a member of the Faculty, Mr. S. R. Oldham. Ninety Sophomores and Freshmen are enrolled for the study of the Psalms in a class led by Prof. H. R. Purinton.

The officers of the Y. M. C. A. have arranged for mission-study classes during the second semester.

The last Thursday in January is observed as "The Day of Prayer for Colleges," and is set apart entirely for religious meetings. A sermon, to which the public is invited, is preached in the chapel at 10.00 A.M. It is hoped that Christian friends of the College generally will remember this day.

STUDENT ADVISERS

Near the beginning of the College year the young men of each class are divided into groups; and for each group some teacher acts as a special adviser. The attempt is made to assure to each student a true friend from whom in any perplexity or emergency he may freely ask counsel and aid. It is one of the cherished aims of the College to foster intimate and mutually helpful relations between teachers and students.

COLLEGE PUBLICATIONS

The *Bates Student* is published monthly under the direction of Editors and Managers selected from the Junior Class. The first number was issued in January, 1873.

The *Bates Bulletin,* published every three months, gives full information respecting the progress of the College. It will be sent to any address, upon application to the Registrar, for fifty cents a year.

LITERARY AND SCIENTIFIC SOCIETIES

The College has no secret societies. It is, doubtless, owing largely to this fact that all the students unite with an earnest and wholesome interest in the support of the three literary societies, the EUROSOPHIAN, POLYMNIAN, and PIAERIAN. Much systematic work is devoted to preparation for the weekly meetings, which are held on Friday evening, and are occasions not merely of social pleasure, but of most useful drill.

The programs contain assignments that encourage musical culture, literary criticism, essay writing, and debating.

The meetings afford thorough discipline in debate and in the proper conducting of deliberative assemblies, together with a stimulus to excellence in these attainments that to many is an educating force rarely found in college, and hardly second in utility to any department of the curriculum.

The Spofford Literary Club, composed of both young men and young women, has been organized recently, and its name and purpose constitute a choice tribute to the memory of the lamented Professor Spofford.

The Jordan Scientific Society, also recently organized, takes its name in honor of Dr. L. G. Jordan, Head of the Department of Chemistry. Its members are young men who find themselves eagerly interested in Science Studies.

OTHER STUDENT BODIES

The Athletic Association is an organization of the men of the College for the promotion of physical training and of athletic sports.

The Women's Athletic Association is an organization of the women of the College for kindred purposes.

The young men maintain an Orchestra, a Glee Club, and a Mandolin Club; and the young women, a Glee Club and a Mandolin Club.

No student organization of the College may incur any financial obligation, or make any contract involving monetary consideration, without first obtaining the sanction of the President of the College, or of the proper Faculty committee under whose supervision the organization is placed. In the event of the contemplated formation of any such new organization, the President of the College must first be consulted; and, if permission be granted to effect such organization, he will advise the student representatives of the particular Faculty committee under whose supervision the organization is placed.

YEARLY EXPENSES

Tuition (for instruction),	$50.00		$50.00
Tuition (for General Privileges),	25.00		25.00
Suites of rooms, including heat, for young men (two in a suite),	22.50	to	37.50
Board (36 weeks at $2.75 to $3.00 per week),	99.00		108.00
Lights, laundry, books, etc.,	20.00		30.00
Total,	$216.50		$250.50

Students taking Laboratory courses in Chemistry, Physics, Biology and Geology, are charged an additional fee varying from two to five dollars each semester, according to the nature and amount of the work.

The Freshmen pay a fee of one dollar for their medical examination, chart and hand-book.

Board in private families (laundry, fuel, etc., included), $4.00 to $5.00 per week. Rooms in private families, without board, can be obtained at reasonable prices.

Students are advised in regard to selecting their rooms and boarding places; and all students rooming in

College buildings are held responsible for the rent of the rooms selected, unless other satisfactory arrangements are made with the Assistant Treasurer.

College Bills for the First Semester must be paid by November 15, and for the Second Semester by March 15. Students who are unable to pay their bills on, or before, the above dates must present their requests for extension of time for payment to the Assistant Treasurer before the date on which the bills are due. The Assistant Treasurer has authority to extend the time for payment for a period not exceeding two months. In exceptional cases, the payment of not more than one-half of the current bill may be postponed till the opening of the following Semester. No extension can be granted to Seniors on the bills for the Second Semester. Students by leave of absence away from college on the above dates are required to settle their college bills within five days after their return. Students who fail to comply with the above requirements will be subject to an additional charge of one dollar for each week, or fraction thereof, elapsing after the regular dates of settlement.

Young men desiring information about rooms in the College dormitories should write to Professor George E. Ramsdell, A.M., 40 Mountain Avenue.

Young women desiring information should address Dean Hester P. Carter, Rand Hall, Bates College. Young women desiring admission to Bates in the fall of 1911 should make application to the Registrar, Miss Elizabeth D. Chase, 16 Frye Street, not later than March 1, 1911. Each applicant is required to furnish a certificate of character and scholarship from her principal, a certificate of health equal to the demands of a College course from her physician, and a certificate of character and worth from her pastor. Not more than fifty applicants can be received in any one year. If practicable, the list of successful candidates will be announced about May 1.

EXAMINATIONS

Written examinations are given at the close of each Semester and at such other times as the instructors may determine.

RANK BILLS

These are sent to the parent or guardian of each student at the close of each Semester.

DEGREES

The Bachelor's degree is conferred on all students that complete satisfactorily the requisite courses. Each candidate for this degree must submit not later than May 15th of his Senior year a thesis of not less than one thousand words upon some subject representative of his accepted Major. His subject for this thesis must be selected from a list presented by the head of the department in which he has chosen his Major. Candidates are invited to submit subjects for the approval of those in charge of the lists.

It is understood that each list from which choices are to be made will be presented not later than Friday of the eleventh week of the first Semester.

The Degree of Master of Arts is conferred on graduates of the College of at least three years' standing who have completed one year's graduate non-professional study or its equivalent. Either two or three subjects may be selected, with the advice and under the direction of the heads of the College departments. Evidence of proficiency is to be given by examinations and theses,

Theses must be presented and fee paid as early as June 1st, and final examinations must be passed not later than ten days before the annual Commencement. The fee is $10.00. Modifications of the foregoing conditions may be granted resident graduates. Further information on the subject may be obtained by writing to the Secretary.

BUILDINGS

The College has thirteen buildings. These are kept in good repair and in the best sanitary condition. They are all heated by steam and lighted by electricity.

HATHORN HALL

Hathorn Hall, a beautiful and substantial building of three stories, contains the College Chapel, ten lecture rooms, the President's and the Assistant Treasurer's offices, a large study and a cloak room for women students. Through the generosity of successive classes, nearly all the rooms in this building have been finished and furnished with excellent taste. Hathorn Hall takes its name from Seth and Mary Hathorn, of Woolwich, Me., who in the early history of the institution contributed generously toward its erection.

PARKER HALL

Parker Hall affords accommodations for about one hundred young men. It has recently been renovated and modernized. The floors throughout are of hardwood. The rooms are arranged in suites, each consisting of a study and a bedroom. A commodious and tastefully furnished reception room, ample shower baths and other sanitary arrangements, and convenient and tasteful student apartments, render this hall one of the most homelike and satisfactory college dormitories in New England. The baseball cage in the basement affords uninterrupted opportunities for practice in the winter and in stormy weather. Parker Hall bears the name of the late Judge Parker of Farmington, one of the chief contributors for this, the second building, erected upon the Campus. The immediate supervision and care of this building are entrusted to the Parker Hall Association, made up of the student occupants.

HEDGE LABORATORY

The building of the department of Chemistry is called Hedge Laboratory, in honor of the late Isaiah H. Hedge, M.D., of Waukon, Iowa, who furnished the means for its erection. It is a two-story building finely located and of attractive modern style. Important improvements in this building have recently been made by which its capacity has been increased considerably and the general conveniences much improved.

SCIENCE HALL

Science Hall is the large three-story brick building formerly occupied by the Latin School. It is used by the departments of Physics and Biology and contains the botanical and mineralogical cabinets. It has met urgent needs during a period of rapid growth and marked progress. But, with the erection of the contemplated science building, it will be restored to its former chief use—that of a dormitory for young men.

ROGER WILLIAMS HALL

Roger Williams Hall is an attractive and commodious three-story brick building erected by the late Lewis W. Anthony, Esq., of Providence, R. I. This hall, formerly devoted to the needs of Cobb Divinity School, is now used for college purposes. The first floor is occupied by a large lecture room, two recitation rooms, a special library, a reception room, and a reading room. The other floors are used for dormitory purposes. The student suites in this building are unusually tasteful and convenient. They accommodate between forty and fifty young men. This building is under the supervision of the Roger Williams Hall Association.

CORAM LIBRARY

Coram Library, dedicated in 1902 and named for Mr. Joseph A. Coram, of Lowell, Mass., who contributed twenty thousand dollars towards its erection, is one of the most beautiful and best planned buildings of its kind. Its reading, reference, seminar, and stack rooms are models of taste and convenience. The furnishings throughout are of the most approved designs for modern libraries. One of the largest rooms has been reserved for the reception of statuary, bronzes, pictures, and curios that the friends of the College have been waiting to give when a suitable place should be provided.

The library is classified according to the Dewey system; there is a dictionary card catalogue; access to the shelves is entirely unrestricted. Attention is given to helping the students in using the catalogue, reference books, and special bibliographies. Books selected by professors for special reading in connection with class work are reserved on shelves near the delivery desk.

The library is open during term time from 9 A.M. to 12.15 P.M., and from 1.30 P.M. to 5.30 P.M., daily, except Sunday.

Recent valuable gifts include casts of the Apollo Belvedere and the Diana of Versailles—both of heroic size. Under the will of the late George W. Harris of Boston, in commemoration of his intimate friendship with the first Benjamin E. Bates, the College has come into possession of a choice collection of music, including many rare manuscripts.

Individuals disposing of private libraries could find no better place in which to perpetuate the usefulness of rare and standard works.

GYMNASIUM

The Gymnasium, a two-story wooden structure, with basement, has been a very useful building; but it should give place as soon as practicable to a more capacious and substantial structure of modern design. A new Gymnasium adequate for our needs would cost $60,000.00.

PRESIDENT'S HOUSE

The President's House, a spacious and attractive two-story building originally erected for the President's residence, has since 1895 served as a dormitory for women students.

RAND HALL

Rand Hall, completed in 1905 for the women of the College, is a beautiful three-story building one hundred and twenty feet in length by forty-three in breadth.

By action of the Trustees at their annual meeting in June, 1908, this building was named Rand Hall in memory of Professor John Holmes Rand and his untiring efforts to assure a true college home to the women of Bates. It contains a large, well-equipped gymnasium, Fiske reception room for student social gatherings, rooms for the Dean and for the Director of the Women's Gymnasium, and for sixty young women, together with laundries, kitchens, dining-room, and all the appointments of a first-class women's hall.

MILLIKEN HOUSE AND WHITTIER HOUSE

The Milliken House and the Whittier House, through the generous consideration of Hon. C. A. Milliken, are now the property of the College. With the President's House and the New Dormitory, they afford ample and up-to-date accommodations for the young women of the College.

CENTRAL HEATING PLANT

The people of Maine by the unanimous action of their Legislature during the session of 1908 generously recognized the service rendered by Bates College to educational work in their State by the appropriation of $45,000 for the construction of a Central Heating Plant for the Institution. This plant has recently been completed under the supervision of competent engineers. It will materially lessen the cost of heating the college buildings and will promote at once the health, the comfort, and the convenience of their occupants. In its construction, provision has been made for extending its advantages to buildings hereafter to be erected.

LIBBEY FORUM

Through the generosity of Honorable W. Scott Libbey, the Literary Societies and the Christian Associations of the College have been provided with large, beautiful and convenient rooms—one for each of the three Societies and a fourth for the Y. M. C. A. and the Y. W. C. A. Libbey Forum has been erected to stand, and is probably the most solid and substantial structure in Lewiston. It is complete in all of its appointments. Its spacious corridors, its convenient cloak and toilet rooms, its arrangements for heat and light, and its furnishings, are all in complete harmony with the general design; and the result is an ideal home for the Societies that have long been one of the most unique and attractive features of Bates. It was dedicated on October 1st, 1909, and is now regularly occupied by the organizations for the benefit of which it was erected. The building occupies the large lot on the northern side of Mountain Avenue at its junction with College Street. The completion of this hall has made available for important uses of the College the rooms that have been occupied for society purposes in Hathorn Hall and Parker Hall.

THE AUDITORIUM

For his original design of erecting one large building that should meet the needs of the College Societies and also contain an audience room for public occasions, Mr. Libbey has substituted the plan of two separate halls. The Auditorium is to be built upon some suitable site within the main campus. It will be an important and highly valued addition to our system of buildings, removing, as it will, the present necessity of going a mile or more from our own grounds whenever we must provide for a large College gathering.

A NEW SCIENCE BUILDING

In January, 1908, Mr. Andrew Carnegie made a subscription of $50,000 for the erection of a new Science Building, his previous gift of the same amount having been for the increase of the general endowment. This second subscription will be paid when $50,000 of new endowment shall be raised in cash, or its equivalent in securities, for maintenance of the Science Department. Of this sum $35,000 have been subscribed, leaving $15,000 still to be secured. It is hoped and believed that the Alumni and other friends of Bates will show their appreciation of Mr. Carnegie's remarkable generosity by contributing at once the amount still lacking, and thus will ensure the erection of the building early in 1911. It will be devoted to the uses of the rapidly growing departments of Physics and Biology.

RESOURCES

Within a few years the resources of the College have been doubled. This has been due in large measure to the generosity of Mr. Andrew Carnegie and of Mr. Bartlett Doe, late of San Francisco, each of whom gave $50,000 toward increasing the endowment; $60,000, also, were given by alumni and other friends of Bates in response to a condition imposed by Mr. Carnegie. The total invested funds of the College at the present time amount to more than $600,000; and its total resources, including grounds, buildings, library, and apparatus, have a value of more than $1,000,000.

GEORGE COLBY CHASE LECTURE FUND

On Commencement Day, June 28, 1906, one of the Trustees of the College announced the creation of a fund of $5,000 for the establishment of the George Colby Chase Lecture Fund for the maintenance of a permanent course of lectures to be known as the George Colby Chase Lecture Course. The College is indebted for this lecture fund to the late Honorable William Wallace Stetson, a former State Superintendent of the Public Schools of Maine. The purpose of the donor is definitely stated in the following citation from a prescribed trust agreement since executed: "Fourth, That the income of said fund shall be used exclusively for the maintenance of Lecture Courses in said College, and that no part of said income shall be used for any other purpose. Fifth, That speakers shall be selected who have done something worthy of special commendation, who have a message, and who can deliver it in such a manner as will be helpful to College students."

The far-reaching significance and substantial value of this lecture course for Bates students, thus made coeval with the life of the institution, can be better appreciated a century hence than now. This trust faithfully administered will break the isolation too often existing between the college and the world, and assure to every Bates man and Bates woman the quickening influences of great leaders in thought and achievement. The lectures thus far given under the provisions of this fund have been by Rev. Lyman Abbott, D.D., Rev. Hugh Black, D.D., Mr. George W. Cable, Professor R. W. Wood of Johns Hopkins University, Rev. Charles F. Aked, D.D., of New York, Henry S. Pritchett, President of the Carnegie Foundation for the Advancement of Teaching, and Hamilton Holt, Managing Editor of the Independent.

OTHER LECTURES AND ADDRESSES

Other lectures and addresses have been given during the last year as follows: The Aims of Education, by Rev. Charles M. Sheldon, of Topeka, Kansas; an illustrated lecture on birds by Mr. Ernest H. Baynes; two lectures upon German Romanticism and one upon Ideality—The Prophet and Teacher, by Rev. W. H. Bowen, D.D., of Providence, R. I.; and two courses of lectures upon Pedagogy, the first course by G. A. Stuart, Bates, 1877, Superintendent of the Schools of Rockland, and the second by F. H. Nickerson, Bates, 1886, Superintendent of the Schools of Medford, Mass.

The exceptionally advantageous location of Bates assures to her students numerous inspiring Chapel Talks by men eminent as scholars and leaders.

THE PUBLIC SERVICE OF BATES

To all who can prize her contributions to the intellectual and moral forces that must save our country Bates can unhesitatingly appeal. The number of her graduates at the present time is 1,548. Of this number 648 have become teachers—nearly 42 per cent.—and 173 ministers—slightly more than 11 per cent.—the latter being distributed among ten religious denominations. Fifty-three have filled positions in Universities and Colleges, and more than this number have won distinction as State, City, and District Superintendents and as Principals of important Secondary Schools. Among the Higher Institutions to which Bates has contributed teachers are Albion, Amherst, Amherst Agricultural, Armour Institute, Bates, Brown University, Carleton, Colgate University, Connecticut Agricultural, Cooper Institute, Cornell University, Denison University, Drury, Fairmount, Grant University, Harvard University, Hillsdale, James Millikin, Keuka, Knox, Miami, Middlebury, Massachusetts Institute of Technology, Northwestern University, Norwich University, Oahu (Hawaii), Pennsylvania State, Pomona, Redfields, Shaw University, Tufts, University of California, University of Colorado, University of Illinois, University of Maine, University of Oregon, University of Utah, William Jewell, Yale University, Yankton. In authorship, on the Bench, in Legislation, in Journalism, Law, Medicine, and Engineering, Bates has had distinguished representatives; while nearly the entire body of her alumni have proved themselves pure, earnest, useful citizens, ready for every good word and work, and making happier and better the communities in which they have lived. The thorough preparation that Bates gives for public speaking is shown by the honors won in the last thirteen years in twenty-two out of twenty-six inter-collegiate debates—fourteen of these with Universities.

BATES AND THE CARNEGIE FOUNDATION

The high standards of scholarship maintained at Bates and the breadth and liberality of her administrative policy are indicated by the fact that she was admitted to the benefits of The Carnegie Foundation for the Advancement of Teaching in June, 1907. She has been characterized from the beginning of her history at once by her insistence upon Christian standards of character and conduct and by her freedom from sectarianism. Her original charter contained no denominational or creedal conditions; and the slight change from the breadth of management that had been made in 1893 was, by the unanimous vote of her Trustees, removed in 1906. Her application of Christianity to life finds expression in her supreme endeavor to educate her students for good citizenship and for self-denying service to mankind.

REASONS FOR AIDING BATES

1. To a large number of young men and young women she offers their sole reasonable hope for obtaining a liberal education. Both the necessary and the incidental expenses are lower than at any other New England College.

2. In the number and quality of her graduate educators, Bates is not surpassed, and, perhaps, not equalled, by any other College in America.

3. She has been successful in securing character as well as scholarship.

4. She is unsectarian.

5. Her location is the best possible for her usefulness. She gathers from a constituency widening every year young men and young women of small means but of great promise, some of them traveling hundreds of miles to secure from her the New England culture of heart and mind, that they may use it for the good of our entire country.

6. She took up the cause of higher education for women when it was unpopular.

7. Every dollar given to her work strengthens the forces that are shaping our Christian civilization.

8. She has but $600,000 for carrying on work for which most New England Colleges require $2,000,000 or more.

SUMMARY OF NEEDS

1. $500,000 as an immediate addition to the permanent fund, in order to ensure the efficient maintenance of present work, the development of existing departments, the establishment of a chair of Education and a chair of History, and the increase of the salaries of the teachers to a living basis.

2. $15,000 to complete the $50,000 required to secure the $50,000 conditionally subscribed by Mr. Carnegie to erect our much needed building for the departments of Physics and Biology.

3. $10,000 for the suitable equipment of this building.

4. $20,000 for doubling the capacity of the present Chemical Laboratory.

5. $10,000 for renovating Science Hall and thoroughly equipping it as a dormitory. Our dormitory facilities for young men are already utterly inadequate.

6. $5,000 to pay for the furnishing of Coram Library and to secure additional appliances.

7. $50,000 as a permanent fund for the Library.

8. $150,000 for additional Scholarships for deserving students.

9. $60,000 for the erection of a new Gymnasium for the men students.

10. $100,000 for the erection and maintenance of an Astronomical Observatory and the support of its Director.

11. $50,000 for the erection of a College Chapel.

12. $10,000 for the grading and improvement of the campus.

13. $10,000 for a student loan fund.

The total of the amounts named is more than $1,000,000. We can do a valuable work while waiting for some of these needs to be met; others of them are urgent; all of them are implied in the plan of our institution; and could they be met at once, the result would justify the outlay. The enlargement of the Chemical Laboratory, the erection and equipment of the Science Building above named and of a Gymnasium for the young men, and the grading and improvement of the Campus can be delayed only with serious loss to the College.

A COLLEGE CHAPEL NEEDED

The room on the second floor of Hathorn Hall that for forty years has served as a Chapel, even with our present number of students, is crowded and ill ventilated. Nearly twenty minutes are sacrificed daily in the attempt of students to enter and to leave this room in decent order and with safety. A Chapel reserved exclusively for religious services and for kindred purposes would be of great value in the promotion of the moral and spiritual life of the College.

FORM OF A BEQUEST

"I give and bequeath to the President and Trustees of Bates College, a corporation existing in Lewiston, Me., the sum of ———— dollars, in trust, the principal of said sum to be safely invested by them, and the income thereof appropriated under their direction for the purposes of the College."

Scholarships

State Scholarships

There are ten State Scholarships (giving tuition for Instruction to ten students) in the hands of the Governor; and in bestowing them preference is given to the children of those who have borne arms in defense of their country, and always to students who are needy and meritorious.

Each of the following scholarships has been endowed by a donation of one thousand dollars, and pays the tuition for Instruction to the student elected to hold the scholarship.

Redington Scholarship—For a Lady Student

Endowed by the late Hon. Asa Redington, LL.D., of Lewiston. This is supposed to be the first instance of such an appropriation in any college.

Dudley Scholarship

Endowed by the late Alvin D. Dudley, Esq., of Haverhill, Mass.

Cheney Scholarship—For a Student from New Hampshire

Endowed by the late Hon. Person C. Cheney, A.M., of Manchester, New Hampshire.

Woodman Scholarship

Endowed by the Paige Street Free Baptist Church, Lowell, Mass., in memory of Rev. Jonathan Woodman, late pastor of the church.

Symonds Scholarship

Endowed by the Plymouth Street Free Baptist Church, Portland, in memory of Joseph Symonds, Esq., a deacon of the church.

Clements Scholarship

Endowed by the late Rev. Tisdale D. Clements of Lewiston.

Bridge Scholarship

Endowed by the late Charles Bridge, Esq., of Gardiner.

Lewis Scholarship

Endowed by the late Chace Lewis, Esq., of Providence, Rhode Island.

Class Scholarship

Endowed by the Class of 1877.

Bartlett Scholarship

Endowed by the Main Street Free Baptist Church, Lewiston, in memory of Rev. Flavel Bartlett.

Nathaniel Bowen Scholarship

Endowed by the late Mrs. Hannah Bowen of Providence, Rhode Island.

Cobb Scholarship

Endowed by the late Hon. C. C. Cobb of Lewiston, in memory of his son, Rev. Frank Woodbury Cobb, A.M., class of 1873.

Houghton Scholarship

Endowed by the late Rev. Alphonso L. Houghton, A.M., of Lawrence, Mass., class of 1870.

Randall Scholarship

Endowed by Mrs. Abby Randall in memory of Isaac Randall, Esq., of Johnston, R. I.

Williamson Scholarship

Endowed by Elias W. Williamson, Esq., of Potter's Landing, Md., in memory of his father, Rev. Stephen Williamson, of Stark.

Quinnam Scholarship

Endowed by Mrs. James Hobbs of Chicago, Ill., in memory of her father, Rev. Constant Quinnam.

Eaton Scholarship

Endowed by Mrs. Oliver H. Durrell of Cambridge, Mass., in memory of her father, Rev. Ebenezer G. Eaton of Lewiston.

Baldwin Scholarship

Endowed by the late B. C. Baldwin, Esq., of Lowell, Mass., in memory of his wife.

Bonney Scholarship

Endowed by Mrs. Harriet Cheney Bonney and Sherman G. Bonney, M.D., in memory of Calvin F. Bonney, M.D., of Manchester, N. H.

Frye Scholarship

Endowed by Hon. William P. Frye, LL.D., of Lewiston.

Nutting Scholarship

Endowed by the late Lyman Nutting, Esq., of Lebanon, Pa., in memory of his sister, Mrs. Charlotte Nutting Chadbourne.

Ellis Scholarship

Endowed by the late Miss M. A. Wales of Boston, Mass., in memory of her pastor, Rev. Rufus Ellis, D.D.

Talpey Scholarship

Endowed by the late Hon. Charles W. Talpey of Farmington, N. H.

Thissell Scholarship

Endowed by the late Mrs. Abby T. Deering of Portland, in memory of Hon. John Thissell of Corinth.

Ward Scholarship

Endowed by Mrs. Mary E. Ward, in memory of her husband, Warren Ward, Esq., of Auburn.

Bean Scholarship

Endowed by Cyrus E. Bean, Esq., of Portland, in memory of his father, Cotton Bean, Esq., of Limerick.

Small Scholarship

Endowed by James T. Small, Esq., of Lewiston, in memory of his son, Everett J. Small, class of 1889.

Dyer Scholarship

Endowed for the benefit of some student preparing for the Christian ministry, by the late Mrs. Irene M. Higgins, in memory of her parents, Mr. and Mrs. Jonah Dyer of Cape Elizabeth.

Page Scholarship

Endowed by the late Peter Page, Esq., of New York City.

Ramsey Scholarship

Endowed by the late Mrs. V. G. Ramsey of North Berwick, in memory of her husband, Rev. G. P. Ramsey.

Mathews Scholarship

Endowed by the late John M. Mathews, Esq., of Burlington, Vt., in memory of his daughter, Orissa Frances Mathews.

Perkins Scholarship

Endowed by Mrs. Moses W. Shapleigh of Ashland, N. H., in memory of her father, Rev. Thomas Perkins.

Woodbury Scholarship

Endowed by friends of the late Charles Woodbury of Boston, for the benefit of some Methodist student.

Harmon Scholarship

Endowed by the late Ivory W. Harmon of Newton Center, Mass., in memory of his son, Wallace Ivory Harmon.

Mary L. Stone Scholarship

Endowed by the late James S. Stone of Boston, Mass., in memory of his wife.

Jordan Scholarship

Endowed by Merrill Page and Emily Deering Jordan, in honor of Rev. Zachariah and Sabrina Page Jordan.

Clapp Scholarship

Endowed by the late Lucius Clapp, Esq., of Randolph, Mass.

Lovina Haines Haskell Scholarship

Endowed by the late Edwin B. Haskell of Boston, Mass.

Fiske Scholarship

Endowed by the late Miss Elizabeth S. Fiske of Boston, Mass.

Rowe and Clarry Scholarships

Endowed by a bequest of Mrs. Emily H. C. Rowe, in memory of her daughter, Miss Emma F. Clarry, and affording free tuition to four young women, preference to be given to worthy students from Brooks, Me.

Dexter N. Richards Scholarship

Endowed by Mrs. L. M. Richards of Brookline, Mass., in memory of her husband.

Stetson Scholarship

Endowed by the late Amos W. Stetson of Boston, Mass.

John D. Philbrick Scholarship

Endowed by the late Mrs. John D. Philbrick.

William Wells Cate Scholarship

Endowed by Rev. C. E. Cate, D.D., of Providence, R. I., in memory of his brother.

E. S. Jordan Scholarship

Endowed by the late Mrs. Clara Stanton Jordan, in memory of her husband.

Foster Lee Randall Scholarship

Endowed by the late Foster Lee Randall of Lewiston.

Stanley Scholarship

Endowed by Ezra B. Stanley of Manchester, Mass.

David and Thankful Jordan Scholarship

Endowed by their children.

Hopkins Scholarship

Endowed by the late Augustus Hopkins, Esq., of Gardiner, Maine, preference to be given worthy students from Gardiner.

Herrick Scholarship

Endowed by Katherine Gardiner Herrick and H. Adeliza Herrick of Lewiston, in memory of their parents, Samuel and Phebe H. Herrick, late of Northport, Me.

Tarbox Scholarship

Endowed by Oren Cheney Tarbox, M.D., Bates '80, in honor of his parents, Rev. Moses H. and Mrs. Adrianna Weymouth Tarbox. Said scholarship to be applied for the aid of any deserving student, irrespective of age, color, sex or sect, preference being given, however, to a student contemplating the Christian ministry.

Osgood Scholarship

Endowed by Col. Charles H. Osgood of Lewiston, and Amy Elizabeth Hunter of Carbondale, Pa., in honor of their father and mother, Henry A. and Elizabeth H. Osgood, for the benefit of some young man or woman from the State of Maine.

Albina Elizabeth Goodspeed Scholarship

Endowed by Jessie L. Goodspeed, Gertrude C. Goodspeed, and Henry S. Goodspeed, of the city of New York, in memory of their mother,—the preference in awarding the scholarship to be given to a woman student.

Class Scholarship

Endowed by the Class of 1887, descendants of members of the class to have the preference, when possible, in the benefits from the scholarship.

Arthur Sewall Whitehouse Scholarship

Endowed by the Class of 1875, in memory of their scholarly and beloved classmate, born August 25, 1853, died February 18, 1874.

Charles E. Moody Scholarship

Endowed by his sister, the late Frances S. Moody.

John P. Hilton Scholarship

Endowed by the late Mrs. Mary Hilton of Cambridge, Mass., in memory of her husband.

Clara B. Perkins Scholarship

Endowed by the late Benjamin F. Perkins, of Bristol, N. H., in memory of his daughter.

Lucia Spring Scholarships

Five scholarships endowed by Miss Mary Isabella Corning, of East Hartford, Conn., in memory of her aunt, Miss Lucia Spring. These scholarships are primarily available for young women, but may be assigned to young men.

Herbert L. Bradford Scholarship

Endowed by his parents, Roscoe S. and Asenath J. Bradford, in memory of their son, Herbert Loring Bradford, who died in 1883 during the first term of his Freshman year at Bates,—for the benefit of a deserving young man.

The Knowlton Scholarships

Hon. Hiram Knowlton of Portland, Maine, has deposited with the Treasurer of the College $3,000, the income of which sum is to be used, when under the stipulated conditions it shall become available, for the maintenance of the following scholarships:

William and Mary Knowlton Scholarship

To perpetuate the names of his parents.

Sabrina Wood Knowlton Scholarship

To perpetuate the name of his wife.

William James Knowlton Scholarship

To perpetuate the name of his son.

Weber Scholarships

The trustees, under the will of the late Frederick E. Weber of Boston, Mass., have given five thousand dollars for the maintenance of Weber Scholarships, for the benefit of needy and deserving students at Bates College. It is a condition of the gift that one-half of the income shall be added to the principal year by year; and that the remaining half only shall be used for the support of said scholarships.

Joseph S. Ricker Scholarship Fund

A fund of $10,000 to ensure free tuition to deserving women students—the beneficiaries to be selected, whenever practicable, from different counties in Maine.

Bradstreet Fund

Mr. William W. Bradstreet of Gardiner, Me., has established a Trust Fund of $2,000, the income of which is to be used for the benefit of deserving students, under the direction of the President of the College, and in accordance with certain conditions specified in the trust.

Coe Scholarship

A scholarship of $3,000, endowed by Thomas Upham Coe of Bangor, in memory of his brother, Eben Smith Coe. The income is awarded annually to the man in the Senior Class whose scholarship and conduct, during the previous three years of the course, have been the most meritorious. The award is made at the close of the Junior year.

Nancy Chase Edgecomb Fund

Since the suspension in 1908 of Cobb Divinity School as a Department of Bates College and the incorporation of certain of its courses with the work of the College there has been available "for and toward the maintenance and education" in the institution of "young men who are or who may be preparing themselves to preach the Gospel of Christ" and to engage in other kinds of Christian service, "and who need and who may need aid," the income of the Nancy Chase Edgecomb Fund. The amount of this income is at present about $740 annually. It is distributed by the Committee on Scholarships under the conditions above stated.

Mellen Bray Student Loan Fund

From the estate of the late Mellen Bray, formerly of Newton, Mass., the College has received $2,000, which is to constitute "The Mellen Bray Student Loan Fund." The income of this fund may be loaned at the discretion of the President of the College to needy and worthy students.

To be eligible for Scholarships, students must maintain an average rank in their college studies of 85 per cent. To be eligible for any other form of Student Aid, applicants must maintain an average rank in their college studies of 70 per cent., if Freshmen, and of 75 per cent., if Sophomores, Juniors, or Seniors. Applicants for Student Aid of any kind must be of good character, must totally abstain from the use of intoxicants and of tobacco, must be economical in all their expenditures and obedient to all College laws and regulations, and must furnish annually a correct statement of income and expenses.

Applications for aid, except from new students, must be filled out on blanks furnished for the purpose and returned to the President's office by June 1, each year. New students will be furnished, upon application, with appropriate blanks. These must be filled out and returned to the President's Office by October 15.

Prizes

First—For General Scholarship

To a young man and to a young woman of the Junior Class, prizes of TEN DOLLARS each.

To a young man and to a young woman of the Sophomore Class, prizes of EIGHT DOLLARS each.

To a young man and to a young woman of the Freshman Class, prizes of SIX DOLLARS each.

Second—For Excellence in Declamation

In the Second Term—To a young man and to a young woman of the Freshman Class, prizes of TEN DOLLARS each.

In the First Term—To a young man and to a young woman of the Sophomore Class, prizes of TEN DOLLARS each.

Commencement Week—To members of the Junior Class, one prize of SEVENTY-FIVE DOLLARS and one prize of TWENTY DOLLARS for original declamation.

Third—For Excellence in English Composition

In the Second Term—To a member of the Sophomore Class, a prize of TEN DOLLARS.

Fourth—For Prescribed Course in Reading

At the close of the year a prize of TWENTY DOLLARS is presented by Professor Oliver C. Wendell, of Harvard University, to the member of the Freshman Class giving evidence of having obtained the best results from a prescribed course in reading.

Fifth—For Excellence in Public Debate

Second Term—To a member of each division of the Sophomore Class, a prize of TEN DOLLARS.

Second Term—The Champion Debate—Prizes amounting to twenty-five dollars; ten dollars for the best debate, and fifteen dollars to the best team. Six are chosen from the Sophomore Class to compete for these prizes.

Hon. F. M. Drew awards annually gold medals to men who win intercollegiate debates.

Sixth—The Bryant Prize

Through the generosity of Mr. W. H. H. Bryant of Boston, Mass., a prize of FIFTY DOLLARS will be awarded annually to the member of the Senior Class who shall prepare the best essay upon "Arbitration instead of War."

The Coe Scholarship

A scholarship of $3,000, endowed by Thomas Upham Coe of Bangor, in memory of his brother, Eben Smith Coe. The income is awarded annually to the man in the Senior Class whose scholarship and conduct, during the previous three years of the course, have been the most meritorious. The award is made at the close of the Junior year.

For the past year the prizes have been awarded as follows:

For General Scholarship—Freeman P. Clason, Gulie A. Wyman, Ray A. Clement, June Atkinson, Walter P. Deering, Margaret A. Ballard.

For Public Declamation in 1910—To the Freshman Class, Leon C. James, Edith M. Macomber; to the Sophomore Class, Floyd O. Mathews, Vera C. Cameron.

For Original Declamation, 1910—Ralph P. Dow, Elizabeth F. Ingersoll.

For English Composition—June Atkinson, 1912.

For best results from Prescribed Reading—Mary E. Huckins, 1913.

For Public Debate, 1910—Clarence I. Chatto, George F. Conklin, Jr., Wayne E. Davis, Fred H. Kierstead, Harry H. Lowry, Clair E. Turner.

For Champion Debate, 1910—Harry H. Lowry; the best team, Clarence I. Chatto, Harry H. Lowry, Clair E. Turner.

The Bryant Prize, 1910—Charles A. Magoon.

The Coe Scholarship, 1910—Charles R. Clason.

In the Intercollegiate Debate with the College of the City of New York, the winning team consisted of Stanley E. Howard, '10, Peter I. Lawton, '10, Clarence P. Quimby, '10.

The members of the above team received the F. M. Drew medals.

In the Intercollegiate Debate with Clark College, the losing team consisted of Robert M. Pierce, '11; Walter E. Matthews, '11; Bernt O. Sordhal, '11.

In the Sophomore Debate with the Massachusetts Agricultural College, the winning team consisted of Clarence I. Chatto, Harry H. Lowry, Clair E. Turner.

For special proficiency in the work of any department, a student may receive an honorary appointment as assistant in that work. Such appointments for the present year are as follows: Biology, Waldo V. Andrews, Nola Houdlette, Mary C. Waldron; Chemistry, Harold C. Robertson, Warren N. Watson; English, Walter J. Graham, Elizabeth F. Ingersoll; History, Annie S. Marston; Latin, Gulie A. Wyman; Mathematics, Roy M. Strout; Oratory, Bernt O. Stordahl, Winifred G. Tasker; Physics, Charles L. Cheetham, Frederick R. Weymouth.

The editors of the *Bates Student* for 1911 are Clarence I. Chatto, Ray A. Clement, Clair E. Turner, June Atkinson, Abigail M. Kincaid, Florence A. Rideout.

STUDENTS

Senior Class

NAME	RESIDENCE	ROOM
Andrews, Waldo Vanderbilt	Jefferson	21 S H
Barnard, Hazel Belle	Lewiston	116 Sabattus Street
Bishop, John Garfield	Houlton	17 P H
Blake, Irving Hill	Augusta	1 P H
Brann, Una Eliza	Kittery	M H
Carroll, James Henry	No. Attleboro, Mass.	4 P H
Chamberlain, Pauline Burnham	Portland	R H
Chase, Edna Baker	Portland	R H
Cheetham, Charles Lee	Lewiston	88 Webster Street
Clason, Charles Russell	Gardiner	19 P H
Clason, Freeman Pell	Gardiner	19 P H
Clifford, Caroline Mabelle	South Paris	R H
Cox, Gertrude Annie	Poland, N. Y.	R H
Cox, Rita May	Lewiston	8 Vale Street
Cox, Sidney Hayes	Poland, N. Y.	6 R W H
Crockett, Elsie Beulah	Freeport	28 Frye Street
Curtis, Emma Zilpha	Silver's Mills	R H
Damon, Lawrence Wilson	Marshfield Hills, Mass.	8 P H
Davis, Helen Juniata	Auburn	R H
Douglas, Chester Augustine	Lisbon	S H
Dow, Ralph Pennell	Gray	9 R W H
Dow, Sarah Helena	Bolton, Mass.	R H
Dunfield, Isaac Burten	Glenvale, N. B.	15 P H
Dunn, Howard Westmont, Jr.	Ellsworth	2 P H

Dwinal, Genevieve Ella	Auburn	20 Dexter Avenue, Auburn
Dwyer, Agnes Cecilia	Stoughton, Mass.	R H
Erskine, Justus Stanley	Meredith, N. H.	11 P H
French, Gertrude May	Turner	R H
French, Stanley Increase	Corinna	21 R W H
Graham, Walter James	Topsham	32 R W H
Green, Everett Welles	Rockland	31 P H
Guptill, Roger Stillman	Berwick	16 P H
Hackett, Beulah Frances	Lewiston	108 Oak Street
Hayes, Susan Elsie	Rochester, N. H.	W H
Hillman, Frederick Walter	Island Falls	12 P H
Hines, Marcella Mildred	Washburn	32 Cottage Street
Houdlette, Nola	Dresden Mills	M H
Howard, Lewis Warren	Townsend, Mass.	10 P H
Howard, Lura Maude	Foxboro, Mass.	R H
Huntington, Ray Merton	Gardiner	31 P H
Ingersoll, Elisabeth Frances	Auburn	223 Center Street, Auburn
Jenkins, Edna Marguerite	Falmouth, Mass.	R H
Jose, Lillian Charlotte	Portland	R H
Keaney, Frank William, Jr.	Cambridge, Mass.	4 P H
Kemp, Marion Tabor	Kingston, N. H.	R H
Kincaid, Isabell Montgomery	South Portland	R H
Knowles, Mary Ellen	Lubec	R H
Leard, Hazel Pearl	Portland	R H
Lewis, Grace Marion	Gardiner	R H
Lombard, Clarence Willard	South Portland	13 P H
Lord, Charles Emerson	Lisbon Falls	Lisbon Falls
Lovely, Eugene Vernon	Gardiner	13 P H
Lowe, Elsie Washburn	Minot	R H
Manter, Marion Edna	Whitefield, N. H.	R H
Marr, Alberta Maddocks	Pemaquid Point	R H
Marston, Annie Stanton	Center Sandwich, N. H.	R H

Mathews, Walter Ellwyn	St. Albans	23 P H
McCann, Sarah Webster	Mechanic Falls	R H
McKee, Charlotte Winifred	Wilkes Barre, Pa.	R H
Moulton, Louisa	Center Sandwich, N. H.	R H
Nichols, Ambrose Jennings	Lewiston	24 P H
Parsons, Grace Ina	Bangor	R H
Peakes, John Edwin	St. Albans	23 P H
Pelletier, John Baptiste	Keegan	16 P H
Pemberton, Edith May	Lewiston	179 Pine Street
Pierce, Robert Milton	Lisbon	Lisbon
Preston, Wallace Franklin	Brockton, Mass.	6 P H
Quincy, Frank Brick	Masardis	17 P H
Randlett, Lillian Arvilla	Lawrence, Mass.	R H
Ray, Carrie Agnes	North Adams, Mass.	R H
Richardson, Frank Benjamin	Monmouth	10 P H
Robertson, Harold Chester	St. Albans,	14 P H
Robinson, George Henry	Lewiston	126 Russell Street
Stanhope, Effie Mae	Foxcroft	R H
Stordahl, Bernt O.	Baltic, S. D.	2 P H
Strout, Roy Merrill	Steep Falls	25 P H
Stuart, Fred Roebling	Lewiston	80 Elm Street
Tasker, Winifred Grace	Dexter	M H
Taylor, Charles Edward	Lisbon Falls	Lisbon Falls
Tebbetts, Arthur	Berwick	17 R W H
Thorpe, Willis Elwood	Sabattus	Sabattus
Towle, Ruth Ann	North Danville, N. H.	R H
Turner, Horace Franklin	Montowese, Conn.	4 R W H
Waldron, Mary Cook	North Vassalboro	R H
Watson, Warren N.	Auburn	14 Laurel Avenue, Auburn
Weymouth, Frederick R.	Troy	25 P H
Whipple, Ralph Clarence	Gonic, N. H.	6 P H
Whittier, Elizabeth Marian	Gorham	R H
Williams, John Lincoln	Worcester, Mass.	19 P H
Wright, Mary Payson	Wiscasset	R H
Wyman, Gulie Annette	Manchester, N. H.	R H

Junior Class

NAME	RESIDENCE	ROOM
Abbott, Charles Ham	Presque Isle	29 P H
Allen, Samuel Leone	Fairfield	18 P H
Alley, Jessie Winnefred	Auburn	83 Gamage Ave., Auburn
Astle, Amelia Maude	Houlton	M H
Atkinson, June	Brunswick	C H
Audley, Mary Elisabeth	Gorham, N. H.	M H
Bassett, Roscoe Conkling	Alton, N. H.	24 P H
Beard, George Homer	Lewiston	9 P H
Beek, Charles Herbert	Calais	27 P H
Bickford, Harry Melvin	Carmel	13 H H
Blaisdell, Leo Wasgatt	East Franklin	10 Frye Street
Blanchard, Vaughn Seavy	Manchester, N. H.	33 P H
Bly, Carlton	Manchester, N. H.	20 P H
Bolster, Ralph Harold	Easton	10 P H
Bonney, Clinton Howard	Auburn	1 P H
*Brackett, Vernon Kilby	Milbridge	31 First Avenue, Auburn
Bridgham, Zela Mae	Auburn	15 Forest Avenue, Auburn
Brown, Clarence Huberto	Island Falls	4 R W H
Brunner, George Edward	Plainville, Mass.	27 P H
Brunquist, Ernest Herman	Hood River, Ore.	14 P H
Buck, Albert Whitehouse	Orland	33 P H
Campbell, Elizabeth Mason	Westbrook	M H
Chamberlain, Ross Parker	Pittsfield	25 P H
Chandler, Irene May	Portland	R H

Chatto, Clarence Irving	Sargentville	27 R W H
Chesley, Clair Vincent	Auburn	53 P H
Clement, Ray Allan	Derry Village, N. H.	31 S H
Cole, Arthur Russell Clason	Gardiner	11 P H
Conklin, George F., Jr.	Boston, Mass.	9 P H
Cooper, Georgia Mabel	Auburn	R H
Davis, Hubert Paul	South Paris	2 R W H
Davis, Wayne Edward	Rochester, N. H.	2 R W H
Deering, Helen Isabel	Bridgton	377 Main Street
Dexter, Burt Lee	Whitefield, N. H.	31 R W H
Doe, Charles Tristram	South Effingham, N. H.	31 S H
Downing, Ethel Elizabeth	Auburn	67 Pleasant Street, Auburn
Dunlap, Minerva Francis	Bowdoinham	C H
French, Grace Amanda	Turner	Turner
Fuller, Edward Hersey	Auburn	352 Turner Street, Auburn
Gray, Florence	Lewiston	166 Holland Street
Grindle, Wade L.	South Penobscot	43 P H
Hamilton, Marion Lovina	Falmouth	R H
Harris, Le Roi	Chelsea, Mass.	P H
Hart, Bessie Bonita	Farmington, N. H.	W H
Hodgdon, Fredrika Ernestine Lewis	Portland	R H
Hooper, William H.	Gorham	12 P H
Howard, Hazel Egeria	Lewiston	80 Walnut Street
Humiston, Ruth Tarbell	East Jaffrey, N. H.	C H
Irvine, Iantha	Presque Isle	M H
Jecusco, Frederick Paul	Ansonia, Conn.	14 R W H
Jennings, Albert Eaton, Jr.	Auburn	6 Hunton Place, Auburn
Jones, Annabel Mae	South China	C H
Kierstead, Fred Harold	Merrimac, Mass.	18 P H
Kincaid, Abigail Margaret	South Portland	R H

*Knights, Charles Clarke	Marshfield Hills, Mass.	22 P H
Lamorey, Jesse James	Manchester, N. H.	20 P H
Lane, Walter Eben	Litchfield, R. F. D. 18	54 P H
Lewis, Flossie May	Biddeford	597 Main Street
Little, Eulela Maud	Gardiner	W H
Lowry, Harry Havelock	Providence, R. I.	30 S H
Mann, Edna Winifred	Miller's Falls, Mass.	R H
McGraw, Helen Elisabeth	Lewiston	45 Lowell Street
McKusick, Leon Roy	Guilford	10 P H
McLean, Mary Emma	Augusta	8 Vale Street
Merrill, Earle Dulev	Madison	13 H H
Meserve, Helen Katherine	Jackson, N. H.	M H
*Morrison, Arthur Chester	Ashland, N. H.	14 P H
Morrison, William	Lewiston,	129 East Avenue
Morse, Alvin Strickland	Mechanic Falls	Mechanic Falls
Morse, Mary Chadbourne	Waterford	M H
Neal, Beatrice Evelyn	Auburn	45 Jefferson Street, Auburn
Nevers, Frank Alexander	Houlton	29 P H
Noyes, Wilhelmina Irene	Auburn	9 Vernon Street, Auburn
Pingree, Mary	Falmouth, Mass.	R H
Purington, Clara May	West Bowdoin	R H
Rand, Albert Ayer	Bradford, Mass.	28 Frye Street
Redman, Mary Evangeline	Newport	W H
Remmert, William Frederick	Stafford, Conn.	9 P H
Rhoades, Carl Tracy	Harmony	19 R W H
Richards, Alice Helen	East Livermore	C H
Rideout, Florence Annie	Norway	335 Sabattus Street
Ring, Christina Isabell	Lewiston	67 Walnut Street
Robinson, Melissa Flora	Dover	M H
*Roseland, Harold Tribou	Unity	20 P H

Ross, Bernard	Lisbon	34 S H
Rounds, Ada Rosenburg	Mechanic Falls	R H
Rowe, Harry Willson	Pittsfield	19 R W H
Sawtelle, Verna Maritta	Auburn	8 Granite Street, Auburn
Smith, Angie	Woodbury, Conn.	229 Oak Street
*Smith, Leonard Seymour	Shelburne Falls, Mass.	8 P H
Spiller, Roxanna Elizabeth	East Barrington, N. H.	C H
Stearns, Josephine Barker	Norway	M H
Sweetser, Mary Ruth	Auburn	R H
Townsend, Drusilla Irene	Abbot Village	R H
Tubbs, Margaret Thurston	Lewiston	129 Wood Street
Tucker, John Richard	Litchfield	41 P H
Turner, Clair Elsmere	Harmony	27 R W H
Twombly, Belle Louise	Worcester, Mass.	C H
Walsh, Walter Harrison	Somersworth, N. H.	17 R W H
Webber, Lenora Goldie	York Village	M H
Welch, Howard Abner	North Attleboro, Mass.	6 R W H
Whitman, Wheatie Clare	Lewiston	95 College Street
Yeaton, Donna Lillian	Belgrade	M H
Yeaton, Paul M.	Belgrade	32 P H

*Provisional candidates for a degree.

Sophomore Class

NAME	RESIDENCE	ROOM
Adams, Enoch Hermon	Belgrade	32 P H
Adams, Frank Clason	Belgrade	32 P H
Aikins, Ellen May	South Windham	C H
*Allen, Barnard Llewellyn	Three Rivers, Mass.	29 R W H
Allen, Lloyd Carroll	Auburn	26 P H
Alley, Harold Cushman	Auburn	26 P H
Atto, Bessie Mae	Bethlehem, N. H.	M H
Ballard, Margaret Aimee	Fryeburg	M H
Barr, Ralph Raymond	Lewiston	38 Jefferson Street
Bartlett, George Maynard	Lewiston	150 Sabattus Street
Bennett, Warren Leroy	North Bridgton	37 P H
Bessey, Elwood George	Dexter	137 Nichols Street
Blake, Verne	Haverhill, Mass.	R H
Bonney, Ralph Merrill	Turner Center	30 P H
Bosworth, Elliott Beaman	Winchendon, Mass.	4 P H
*Brown, Harry Wallace	Whitinsville, Mass.	15 P H
Cameron, Vera Catherine	Fryeburg	M H
Carville, Alonzo	Minot	P H
*Cash, Leon Eugene	Oxford	39 P H
Cave, Gordon Luther	Centre Strafford, N. H.	53 P H
Chandler, Eleanor Hope	Presque Isle	M H
Cheever, John Plympton	Plainville, Mass.	51 P H
Conner, Grace Jarvis	Auburn	15 Weaver Street, Auburn
*Cooper, Herbert Almon	Berwick	16 P H
Corey, Verna May	Dexter	M H
Cox, Lyman Prescott	Manchester, N. H.	21 P H

Currier, Elaine	Andover, N. H.	R H
Currier, Hazel Narinda	Andover, N. H.	R H
Cutts, Ethel Batson	Merrimac, Mass.	R H
*Davis, Blynn Edwin	Bridgton	21 R W H
Day, Florence Augusta	West Kennebunk	R H
Deering, Walter Preston	East Denmark	34 P H
*De Lano, Alton Irwin	Oxford	39 P H
Dennis, Carlton Amory	Worcester, Mass.	15 P H
Dickson, John Hewson, Jr.	Lewiston	38 Davis Street
Dickson, Margaret Henrietta	Lewiston	38 Davis Street
Dolloff, George Ronello	Wiscasset	40 S H
Doughty, Elizabeth Emily	Lisbon Falls	M H
Durrell, Lynne Howard	Kingfield	29 R W H
Dyer, Edna Caroline	South Portland	R H
Emmons, George Hinckley	Lewiston	88 Howe Street
Estes, Alice Effie	Auburn	18 Laurel Avenue, Auburn
Evans, Signa Louise	Newport, N. Y.	R H
Fales, Ione Bertha	Lewiston	3 Shawmut Street
Feinberg, Abraham Selig	Marshfield, Mass.	22 P H
*Fish, Clarence Ralph	Appleton	28 Davis Street
Fisher, William Livingstone	Manchester, N. H.	17 R W H
Fletcher, Walter Ray	Dryden	26 P H
Folsom, Annie Lora	Lewiston	66 Shawmut Street
George, Edith Adeline	East Walpole, Mass.	M H
Goss, Marguerite	Lewiston	94 Nichols Street
Goudy, Mildred Irene	South Portland	C H
Gove, Guy Harold	Dexter	91 Elm Street
Graham, Jeanie Sewell	Warwick, Mass.	R H
Griffin, Ernest Harrison	South Portland	51 P H
*Hall, Lincoln	Marshfield, Mass.	22 P H
Hall, Lora Edna	Dover	M H
Ham, Austin Russell	Lewiston	S H
Harmon, Reginald Frank	Abbot Village	P H

Harriman, Henry Andrew	Gardiner	35 P H
Hodgkins, Alton Ross	Damariscotta Mills	21 P H
Holden, Gladys Marie	North Billerica, Mass.	R H
Holden, Harlan Ware	Worcester, Mass.	13 P H
Hollis, Harold William	Lisbon Falls	213 Oak Street
Holmes, Mary Louise	Lewiston	49 Chapel Street
*Holt, Clifton B.	Lewiston	34 Vale Street
*Houston, Howard Raymond	Bucksport	18 P H
Huckins, Mary Esther	Rochester, N. H.	M H
*Hull, Frank Jay	Lewiston	96 Nichols Street
James, Leon Charles	Christiansburg, Va.	35 R W H
Jecusco, Francis Stevens	Ansonia, Conn.	14 R W H
Jewett, Frank Harold	Dexter	40 S H
Jones, Beatrice Leona	Auburn	65 Summit Street, Auburn
Jordan, Leila Erdine	Caribou	44 Cottage Street
Kempton, William Riley	Rangeley	40 S H
*Knight, Melvin Colby	Westport	24 R W H
Lambert, Milton Burleigh	Lewiston	24 R W H
Linehan, Joseph Aloysius	Auburn	77 Second Street, Auburn
Lougee, Marguerite Emma	Lewiston	141 Nichols Street
Lougee, Nellie Delphine	Lewiston	141 Nichols Street
Lovejoy, Maude E.	North Chesterville	R H
Lovell, William Edwin	West Springfield, Mass.	36 P H
Lowry, Wesley Allen	Providence, R. I.	30 S H
McCann, Harriet Lucy	Mechanic Falls	R H
McDaniel, John Frank	East Barrington, N. H.	36 R W H
McNish, James Francis	Ansonia, Conn.	26 R W H
Macomber, Edith Marguerite	Winthrop	R H
Manter, Franklin Henley	Whitefield, N. H.	32 R W H
Mills, Lillian Bessie	Dunbarton, N. H.	112 Wood Street

Nickerson, Paul Sumner	Medford, Mass.	30 P H
Norton, Dora Maude	Gardiner	M H
Noyes, Harold Greenough	East Wilton	28 P H
Pennell, Walter Johnson	Kingfield	148 Nichols Street
Pillsbury, Lulene Aura	Rangeley	M H
Plumstead, Joseph Edwin	South Portland	51 P H
Pratt, George Burton	Lisbon Falls	24 P H
Quimby, Francena	Auburn	C H
Rackliffe, Mabel Loveland	New Britain, Conn.	M H
Rogers, Charles Talbot	New Gloucester	54 P H
Rollins, Aletha	Lewiston	84 Wood Street
Root, Russell	Providence, R. I.	
Rouse, Ethelyn Daisy	Washburn	M H
Sargent, Rachel Louisa	Exeter, N. H.	W H
Sawyer, Louise Frances	Lewiston	70 Elm Street
Sawyer, William Hayes, Jr.	Limington	31 S H
Scruton, John Y.	Lewiston	24 Sabattus Street
Seeley, George Mervil	Gardiner	39 P H
Shepard, Ray Arthur	Houlton	36 S H
Sleeper, Frank Eugene, Jr.	Sabattus	Sabattus
Smith, Alice Carey	Ashland, N. H.	R H
Smith, Mary Elizabeth	Centre Sandwich, N. H.	R H
Smith, Myra Etta	Merrimac, Mass.	M H
Smith, Ruth Evelyn	Gorham	M H
Stanhope, Charles Nason	Foxcroft	2 R W H
*Stinson, Parker Burroughs	Wiscasset	30 Vale Street
Thing, Alice	Limerick	M H
Thing, Emma Rachel	Limerick	M H
Thompson, Clinton Ray	Lewiston	582 Main Street
Tibbetts, Charles Byron	Berwick	31 R W H
Tibbetts, Margarita Elizabeth	Brooklyn, N. Y.	M H
Tuttle, Kathlene Helen	Auburn	28 James Street, Auburn
Tuttle, Roy Melvin	Lisbon Falls	34 S H

Vaughan, Joseph Dyer	Norridgewock	12 R W H
Vose, Helen	Sabattus	Sabattus
*Walsh, William Augustine	Lewiston	8 Wood Street
*Webber, Elmer Harrison	Mt. Vernon	368 College Street
Weeks, Amy Louise	Auburn	220 Turner Street, Auburn
White, Lewis Julian	Bangor	47 P H
Whitehouse, Ruby Dorothy	Monmouth	47 P H
Whittemore, Bertha	Jay	W H
Wilson, Clinton Donnelly	Plymouth, N. H.	30 P H
Woodman, Gladys Leona	Auburn	R F D 6, Auburn
Woodman, Harry Andrews	Portland	34 P H

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* Provisional candidates for a degree.

Freshman Class

NAME	RESIDENCE	ROOM
Adams, Edith	Auburn	22 Vernon Street, Auburn
Andronis, Nicholas	Thasos, Turkey	37 S H
Barrow, Elwyn Greaves	Newport, R. I.	35 R W H
Blethen, Helena Horton	Rockland	W H
Bradeen, Leroy Stanford	Milo	28 Davis Street
Bradstreet, George C.	Thomaston, Conn.	100 Elm Street
Brady, James Tracey	Holbrook, Mass.	99 College Street
Brown, Milton Daniel	Malden, Mass.	45 P H
Burdick, Roy Mason	Dexter	P H
Carruthers, Samuel Edward	Auburn	26 Washington Street, Auburn
Chapman, Chauncey Wallace Lord	Kezar Falls	148 Nichols Street
Chapman, Clara Augusta	Auburn	30 French Street
Chase, Evelyn	Portland	W H
Clacey, Edith Reed	Lewiston	70 Howe Street
Clapp, Harold Bertell	Gray	45 P H
Coady, Kempton Joseph	Patten	247 College Street
Cobb, Percy Chadwick	Gardiner	36 P H
Cobb, Ralph William	Minot	Minot
Crandlemire, Halliberton	Millinocket	237 Oak Street
Currie, Grace Emma	Attleboro, Mass.	W H
Dacey, Walter E.	Auburn	Auburn
*Danahy, John Henry	Everett, Mass.	49 P H
Dexter, Daniel Sheehan	Lewiston	32 Bartlett Street

Dow, Philip Huse	Gray	9 R W H
Downs, Helen Jane	Ansonia, Conn.	R H
Drake, Eugene Henry	Pittsfield	44 P H
Drumm, Enos Michael	Thomaston, Conn.	100 Elm Street
Dunham, Louise Sargent	Portland	W H
Dunlap, Vining Campbell	Bowdoinham	100 Elm Street
*Duvey, Harry Nelson	Cambridge, Mass.	28 P H
Dyer, Clarence A.	South Portland	44 P H
Eldridge, Rich Phillips	Gardiner	36 P H
Estey, Rebecca Jane	Lisbon Falls	W H
Fales, Edith Gertrude	Thomaston	W H
Farwell, Caro	Montague, Mass.	W H
Ferguson, Dora	W. Wrentham, Mass.	W H
Foss, Helen Elizabeth	Northboro, Mass.	C H
Fowler, Rena Etta	Farmington	W H
Freese, Carrie Mae	Gorham	C H
French, Ernest Leroy	Kezar Falls	P H
Frezza, John Joseph	Bound Brook, N. J.	145 Nichols Street
Garcelon, Mona Cobb	Lewiston	524 Main Street
Gatto, Vincent	Springfield, Mass.	18 Frye Street
George, Helen Louise	E. Walpole, Mass.	M H
Hadley, Charles Elmer	Lewiston	53 Shawmut Street
Hadley, Nellie Louise	Lewiston	53 Shawmut Street
Haggerty, Albert Thomas	Houlton, R F D 6	43 P H
Haggerty, Jasper Charles	Houlton, R F D 6	43 P H
Ham, Lloyd Blinn	Cedar Grove	94 Nichols Street
*Hamill, Clarence Thomas	Worcester, Mass.	41 Parker Hall
Hill, James Frank	Gray	46 Parker Hall
Humiston, Helen Ensworth	E. Jaffrey, N. H.	C H
Hussey, Arthur Burton	Leominster, Mass.	427 Main Street

Irish, Rachel Mary	Turner	C H
Judkins, Elsie Elizabeth	Kingston, N. H.	91 Elm Street
Keaney, Allan Jay	Cambridge, Mass.	49 P H
Keer, Robert Henry	Berwick	427 Main Street
Kidder, Henry W. Longfellow	Richmond	34 P H
Lee, Karl Dayton	Leominster, Mass.	17 R W H
Leonard, William Clement	Lewiston	61 Shawmut Street
Libby, Bert	North Turner	283 Turner Street, Auburn
Libby, Ellen Holden	Portland	W H
Lindquist, Richard Leonard	Orange, Mass.	26 R W H
Lindsay, Harry William	Holbrook, Mass.	37 Skinner Street
Loeffler, Frank Robert	Lisbon Falls	31 R W H
Lord, Marion Emma	Lisbon Falls	W H
Lougee, Flora Marion	Lewiston	141 Nichols Street
McCann, William Webster	Poland	
McCarthy, Ellene Leo	Lewiston	33 Chapel Street
McDaniel, Bertha May	Barrington, N. H.	W H
Marsden, George Charles	Lisbon	Lisbon
Mathews, Floyd Osborn	St. Albans	23 P H
Mayo, Newell C.	Athol, Mass.	P H
Moore, Ernest Merrill	Gardiner	35 P H
Morey, Ruth Mildred	Lewiston	161 Wood Street
Morgridge, Ralph Vernard	Dexter	44 Parker Hall
Moulton, Onsville Joshua	Gorham	247 College Street
Mowry, Christine Pierce	Lubec	W H
Neal, Clara Bertha	Farmington, N. H.	W H
*Needham, George William	Topsfield, Mass.	237 Oak Street
Nevers, Hazen Rainsford	Houlton	29 P H
Nichols, Mary Elizabeth	Lewiston	63 Riverside Street
Packard, James Roy	Monmouth	S H
Paige, Mildred May	Manchester, N. H.	R H

Parker, Royal Bradbury	Auburn	23 Dexter Avenue, Auburn
Partridge, Donald Barrows	Norway Lake	87 Wood Street
Patten, Bessie May	Pittsfield	W H
Pease, Helen Frances	No. Parsonsfield	W H
Perry, Frances Dunbar	New Bedford, Mass.	R H
Pierce, Edna Walker	Augusta	W H
Pierce, Roland Eastman	Worcester, Mass.	
Pike, Winchester Wadsworth	Hiram	149 College Street
Prince, Thomas Wallace	Mechanic Falls	P H
Proctor, Everett Mark	Whitefield, N. H.	173 Wood Street
Rawson, Shirley Jay	South Paris	87 Wood Street
*Reagan, Francis J.	Cambridge, Mass.	49 P H
Record, Lola Mable	East Auburn	East Auburn
Redman, Floyd Alton	Exeter	247 College Street
Rowell, Etta May	Concord, N. H.	W H
Ryder, Mildred May	Orrington	W H
San Giacomo, Anthony William	Newark, N. J.	145 Nichols Street
Sanborn, Marion Rae	Auburn	215 Summer Street, Auburn
*Schubert, Arthur	Jamaica Plain, Mass.	154 Central Avenue
Segal, Rebecca	Lewiston	113 Bates Street, Lewiston
Shores, Venila Lovina	Lyndon Center, Vt.	8 Vale Street
Small, William Drew	Lewiston	363 Main Street
Smalley, Mabel Shirley	Onset, Mass.	R H
Smith, Frederick	Meredith Center, N. H.	R W H
Smith, Harold Morrison	East Grafton, N. H.	P H
Snow, Andrew	Whitefield, N. H.	17 R W H
Sprague, Mansur Thomas	Island Falls	237 Oak Street
Sturtevant, Geneva Whitman	Norway	W H

Sullivan, Louis Robert	Houlton	384 Main Street
Swasey, Guy Henry	Lincoln	247 College Street
Sylvester, Laurance Bray	Harrison	237 Oak Street
Sylvester, Ruth Bartlett	Harrison	W H
Tabor, Aubrey Wintworth	Waltham, Mass.	41 P H
Tackaberry, William George	Lewiston	322 Bates Street
Tarbell, Arthur Elwood	Pittsfield	200 College Street
Tash, Dora Clark	Lewiston	Lisbon Road
Thrall, George Herbert	Leicester, Mass.	146 Wood Street
Tibbetts, Helen	Brooklyn, N. Y.	R H
Tomblen, Robert Lucius	Montague, Mass.	146 Wood Street
Tracey, Dallas Leon	Franklin	91 Elm Street
Wandtke, Alice Anna	Lewiston	38 Bridge Street
Ward, Gladys Irene	Richmond Corner	425 Main Street
Warren, Wilbert Scamman	South Portland	28 Davis Street
Webber, Warren Wilbur	Mount Vernon	368 College Street
Wilson, Harold Alvan	Groveton, N. H.	68 Wood Street
Wilson, John Parker	Plymouth, N. H.	11 P H
Woodman, Lawrence Chauncey	Strafford, N. H.	41 P H
Woodward, Hazel Elena	Dresden Mills	W H
Wright, Harold Sylvester	Lewiston	171 Oak Street
Wyman, Lorenzo Norton	Kingfield	11 R W H

*Provisional candidates for a degree.

Special Course

NAME	RESIDENCE	ROOM
Alkazin, Salim Y.	Old Orchard	68 Blake Street
Baker, William Asa	Richmond	148 Nichols Street
Bowman, Winfred Wolfe	Hatfield, Mass.	41 P H
Carter, Albert Raymond	Bluehill	43 P H
Cheney, Ralph Blen	Dresden Mills	94 Nichols Street
Davis, Leon Edward	Lubec	149 College Street
Davis, Royal Vinton	Kent's Hill	12 R W H
Ellis, Eugene Webster	E. Wareham, Mass.	37 Skinner Street
Johnston, Fred Robie	Masardis	17 P H
Loveland, Francis	New Haven, Conn.	P H
O'Connell, Lawrence Raymond	Millinocket	237 Oak Street
Pine, Frank Burton	Eastport	33 R W H
Shay, Patrick Henry	Fall River, Mass.	237 Oak Street
Stinson, Roy Albert	St. Johnsbury, Vt.	35 R W H
Weymouth, Ancil Medville	Dresden Mills	80 Elm Street
Woodward, Dorr Hildreth	Dresden Mills	68 Wood Street

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H H—Hathorn Hall
R W H—Roger Williams Hall
P H—Parker Hall
S H—Science Hall
R H—Rand Hall
C H—Cheney House
M H—Milliken House
W H—Whittier House

Graduates of 1910

Andrews, Delbert Elvin
Archibald, Grace
Barker, Nellie Annette
Bean, Orel Merton
Bolster, Morton Virgin
Boulia, Agnes Louise
Brown, Melissa
Bryant, Alice Monroe
Buker, William Hall
Burnham, Alice Alden
Cole, Roy Emerson
Crockett, Alice Robinson
Crockett, Adelina Estelle
Cummings, Ralph Burtram
Dorman, Horatio Nelson
Eaton, Mabel
Edwards, Jane Curtis
Edwards, Jennie Hazel
Farnham, Olive Lillian
Farnsworth, Everett Leslie
Greenleaf, Gladys Maud
Hall, Alice Parsons
Hall, Myrta Alice
Hamilton, Georgia Townly
Harlow, Grace
Harmon, Martha Isadore
Harriman, Ray Wilkins
Howard, Stanley Edwin
Jack, George Edwin
Jackson, Carl Ziegler
Jones, Mildred Iris
Kemp, Ida Boynton
Kendrick, Cyrus Maxcy
Kidder, Frances Patten
Lawton, Peter Ignatius
Leland, Christine
Little, Sarah Eliza
Longfellow, Anna Bartlett
Loring, Fred Milton
Lucas, Fay Ellwood
Luce, Leon Alex
Magoon, Charles Alden
Martin, Fred Henry
Merrill, Charles Elmer
Merrill, Nettie May
Mitchell, Beulah
Moulton, John Henry
Nettleton, Jessie Hague
Niles, Lena Mabel
Nutting, Nellie Sophronia
Orr, Lewis Jordan
Parsons, Katherine May
Parsons, Ruby Marion
Peasley, Charles Harold
Perry, Florence Helen
Pert, Minnie Warren
Pinkham, Florence Ada
Pomeroy, Ray Eugene
Porter, Amorette
Porter, Juanita Douglass
Powers, John Herrick
Quimby, Clarence Paul
Quinn, Elton Leroy
Ramsdell, Guy Harry
Schermerhorn, Eva Mildred
Smith, Frank Albert
Stevens, Carl Mantle
Taylor, Alta Carmen
Thurston, Paul Cleveland
Verrill, Clara Elizabeth
Vinal, Mildred Holman
Vinal, Nelly Parker
Whitehouse, Helen Margaret
Wood, Herbert Wilbur

Commencement Honors

Language

Stanley Edwin Howard
Peter Ignatius Lawton
Clarence Paul Quimby
Gladys Maud Greenleaf
Jessie Hague Nettleton
Amorette Porter

Philosophy

Fred Henry Martin
Carl Mantle Stevens
Grace Harlow
Eva Mildred Schermerhorn

Science

Leon Alex Luce
Charles Alden Magoon
John Henry Moulton
Frank Albert Smith
Grace Archibald
Alice Alden Burnham
Alice Robinson Crockett
Olive Lillian Farnham

Bachelor of Arts degree given out of course to

Israel Paul Quimby, Class of 1871
Charles Plummer Allen, Class of 1903
Daniel Russell Hodgdon, Jr., Class of 1908

Master of Arts *pro merito*

Nellie Belle Michels, Class of 1897
Urban George Willis, Class of 1900

Doctor of Divinity

J. Lazarus, Madras, India.

Master of Arts

Simeon C. Whitcomb, Bangor, Maine
Loen W. Gerrish, Caribou, Maine.

Bates Alumni Associations

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STANTON CLUB

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Secretary, Lauren M. Sanborn, Esq., '92, 95 Exchange Street, Portland, Me.

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Chairman Executive Committee, Clarence E. Brockway, '78, W. Springfield, Mass.

RHODE ISLAND ASSOCIATION

President, Dr. Frank B. Fuller, '75, Pawtucket, R. I.

Secretary, Dr. Dennett L. Richardson, '00, 430 Pine Street, Providence, R. I.

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Ninth Series, No. 1

Bulletin
of
Bates College

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OF THE
UNIVERSITY OF ILLINOIS

Bates College

1911-1912

Lewiston, Maine, December 1, 1911

BATES COLLEGE

LEWISTON MAINE

1911-1912

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

Lewiston, Maine
The Journal Printshop
1911

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Calendar

1911		
Sept. 18, 19	Examinations for Admission to College	Monday and Tuesday, 9.00 A.M., 2.00 P.M.
Sept. 20	First Semester begins: 8.40 A.M.	Wednesday
Nov. 6-17	Sophomore Preliminary Public Speaking	1.30 P.M.
Nov. 15	Tuition due	
Nov. 18	Prize Division	2.00 P.M.
	Thanksgiving Recess from 12 M., November 29 to 7.40 A.M., December 4	
	Christmas Recess from 4.30 P.M., December 15, 1911 to 7.40 A.M., January 2, 1912	
1912		
Jan. 17-31	Sophomore Debates	2.00 P.M.
Jan. 25	Day of Prayer for Colleges	Thursday
Feb. 2-10	Midyear Examinations	
Feb. 12	Second Semester begins: 8.40 A.M.	
Feb. 22	Washington's Birthday	Thursday
Feb. 26-Mar. 8	Freshman Public Speaking	1.30 P.M.
March 9	Prize Division	2.00 P.M.
March 15	Tuition due	
March 21	Senior Exhibition	Thursday, 7.45 P.M.
	Easter Recess, from 4.30 P.M., March 29 to 8.40 A.M., April 9	
May 30	Memorial Day	Thursday
June 13	Last Chapel	Thursday
June 13	Ivy Day Exercises	Thursday
June 14-21	Final Examinations	
June 23	Baccalaureate Exercises	Sunday, 3.30 P.M.
June 24-26	Examinations for Admission to College	9.00 A.M., 2.00 P.M.
June 24	Junior Exhibition	Monday, 7.45 P.M.
June 25	Annual Meeting of the Corporation	Tuesday, 9.00 A.M.
June 25	Class Day Exercises	Tuesday, 2.30 P.M.
June 25	Annual Meeting of the Alumni	Tuesday, 4.00 P.M.
June 25	Illumination of College Campus	Tuesday, 7.45 P.M.
June 26	Commencement	Wednesday, 10.00 A.M.
June 26	President's Reception to the Graduates	Wednesday, 8.00 P.M.
Sept. 16-18	Examinations for Admission to College	Monday and Tuesday, 9.00 A.M., 2.00 P.M.
Sept. 19	First Semester begins: 8.40 A.M.	Wednesday
Nov. 15	Tuition due	
Nov. 4-15	Sophomore Preliminary Public Speaking	1.30 P.M.
Nov. 16	Prize Division	2.00 P.M.
	Thanksgiving Recess, from 12 M., November 27 to 7.40 A.M., December 2	
Dec. 13	Christmas Recess begins: 4.30 P.M.	Friday

General Information

FOUNDATION

Bates College grew out of the Maine State Seminary, chartered in 1855. In 1862 sixteen young men in this school petitioned the Trustees to provide facilities for collegiate instruction. In the fall of 1863 the first Freshman class was admitted, and in the winter of 1864 a new charter was secured, and Maine State Seminary became Bates College. The name Bates College was given by the Trustees in grateful acknowledgment of the generosity of Mr. Benjamin E. Bates of Boston, Mass., one of the founders of the city of Lewiston. Mr. Bates had taken a warm interest in the Seminary, and it was his encouragement, with a subscription in 1863 of $25,000, which led to its development into the College. To this sum he subsequently added $75,000. Mr. Bates died in 1877. Other friends have generously aided the institution, but none of their benefactions have surpassed in amount the gifts of Mr. Bates.

Lewiston, in which the College is situated, is the second city in population in Maine, having twenty-six thousand inhabitants. It is on the east bank of the Androscoggin, thirty-five miles northeast of Portland. It is connected by four bridges with Auburn, a city with sixteen thousand inhabitants, on the opposite bank of the river. The two cities are among the most enterprising and progressive in the East. Many of their public buildings are exceptionally beautiful and substantial. Their excellent public schools are constantly bringing to the two cities from all parts of Maine, and even from adjoining states, parents eager to secure a good education for their children. The Jordan High School and the Edward Little High School, of Auburn, rank among the best preparatory schools in New England. The pulpits of Lewiston and Auburn are occupied by able and scholarly men, and residents of few towns have better facilities for hearing the representative lecturers and orators of our country. The two cities are remarkably healthful, are situated amid some of the most beautiful scenery of the Androscoggin valley, and combine in a rare degree the educational influences afforded by the presence of business energy, of scholarly leisure, and of attractive environments. They are a little more than four hours distant from Boston, and are accessible from all directions by means of four railways—the Grand Trunk, the Portland and Rumford Falls, and two lines of the Maine Central. These with numerous electric roads make the College easily accessible from every direction. The College grounds consist of fifty-five acres in the suburbs of Lewiston. They have great natural beauty and command fine views of the surrounding country. From the summit of Mount David, given by the late Mrs. Archibald Wakefield and the late Mrs. John M. Frye, as the site for an astronomical observatory, the White Mountains, more than fifty miles away, are distinctly visible.

CHARACTER OF THE COLLEGE

The college is unsectarian in all its aims and methods, but it is unequivocally Christian. Breadth and thoroughness are sought, not only in literary and scientific attainments, but in moral and spiritual culture. What are called the vices of student life are practically unknown at Bates. No student can be a member of the College without taking and keeping a pledge to abstain from alcoholic drinks. Hazing has never been tolerated. A large percentage of the students are actively religious, and among them are represented nearly all the religious denominations of New England. It has been the constant aim of the College to encourage and aid students of limited means and to exclude such habits and customs as lead to extravagant and unnecessary expenditures. Planted in a thrifty and frugal community, Bates is for a wide area the natural College home for students of limited means. The community, with its numerous industries, offers unusual opportunities for work; and College spirit and tradition make labor honorable. The Faculty of Bates find one of their highest pleasures in helping young men and young women to solve the problem of ways and means. Every year Bates students are engaged in more than sixty different kinds of employment. There are ninety-six scholarships. Ninety-four of these, of $1,000 each, pay the annual tuition for instruction of as many deserving young men and young women. The other two are the Coe Scholarship of $3,000 and the Dana

Estes Scholarship of $2,500. Students of ample, of moderate, and of limited, means live and work together in absolute social equality. From its organization in 1863, the College has received young women on the same terms with young men, thus beginning on the Atlantic seaboard the movement for the higher education of women.

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Terms of Admission

All candidates for admission to the College must offer satisfactory testimonials of good moral character; and those who have been members of other colleges must present certificates of regular dismission.

The requirements in particular subjects are as follows:

LATIN

The requirements in Latin are those recommended in the "Report of the Commission on College-Entrance Requirements in Latin," and are as follows:

I. AMOUNT AND RANGE OF THE READING REQUIRED.

1. The Latin reading required of candidates for admission to college, without regard to the prescription of particular authors and works, shall be not less *in amount* than Cæsar, Gallic War, I-IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Vergil, Aeneid, I-VI.

2. The amount of reading specified above shall be selected by the schools from the following authors and works: Caesar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters, and De Senectute) and Sallust (Catiline and Jugurthine War); Vergil (Bucolics, Georgics, and Aeneid) and Ovid (Metamorphoses, Fasti, and Tristia).

II. SUBJECTS AND SCOPE OF THE EXAMINATIONS.

1. *Translation at Sight.* Candidates will be examined in translation at sight of both prose and verse. The

vocabulary, constructions, and range of ideas of the passages set will be suited to the preparation secured by the reading indicated above.

2. *Prescribed Reading.* Candidates will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias, and Vergil, Aeneid, I, II, and either IV or VI at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

3. *Grammar and Composition.* The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose. The words, constructions, and range of ideas called for in the examinations in composition will be such as are common in the reading of the year, or years, covered by the particular examination.

Suggestions Concerning Preparation.

Exercises in translation at sight should begin in school with the first lessons in which Latin sentences of any length occur, and should continue throughout the course with sufficient frequency to insure correct methods of work on the part of the student. From the outset particular attention should be given to developing the ability to take in the meaning of each word—and so, gradually, of the whole sentence—just as it stands; the sentence should be read and understood in the order of the original, with full appreciation of the force of each word as it comes, so far as this can be known or inferred from that which has preceded and from the form and the position of the word itself. The habit of reading in this way should be encouraged and cultivated as the best preparation for all the translating that the student has to do. No translation, however, should be a mechanical metaphrase. Nor should it be a mere loose paraphrase. The full meaning of the passage to be translated, gathered in the way described above, should finally be expressed in clear and natural English.

A written examination cannot test the ear or tongue, but proper instruction in any language will necessarily include the training of both. The school work in Latin, therefore, should include much reading aloud, writing from dictation, and translation from the teacher's reading. Learning suitable passages by heart is also very useful, and should be more practised.

The work in composition should give the student a better understanding of the Latin he is reading at the time, if it is prose, and greater facility in reading. It is desirable, however, that there should be systematic and regular work in composition during the time in which poetry is read as well; for this work the prose authors already studied should be used as models.

On the basis of the above Report the examinations will be grouped as follows:

I. Elementary Latin.

The examination will be adapted to the proficiency of those who have studied Latin in a systematic course of five exercises a week for at least three years. It will include translation of prose at sight, Cicero, as indicated above in Section II, Article 2, and Grammar and Composition.

II. Advanced Latin.

The examination will be adapted to the proficiency of those who have studied Latin in a systematic course of five exercises a week for at least four years. It will cover the work outlined in Section II of the Report.

GREEK

I. Elementary Greek.

Candidates presenting this subject should be able to translate at sight simple Attic prose, and should possess a thorough mastery of ordinary Greek inflections, principles of syntax, and idioms, involving the ability to write simple Attic prose. To attain the required proficiency, a student should have studied Greek two years, in a systematic course of five exercises a week, including the reading of four books of Xenophon's Anabasis or an equivalent, thorough study of Grammar, and considerable practice in writing Greek sentences involving ordinary idioms and constructions.

II. Advanced Greek.

Candidates presenting this subject should be able to translate at sight passages from Homer, as well as from Attic prose, and should be well grounded in the epic dialect, the prosody of Homer and the general features of Homeric life. They should also be able to translate into Attic prose simple English passages of connected narrative. These requirements involve, in addition to the course in Elementary Greek, a third year of study, with exercises five times a week, and necessitate the reading of additional Attic prose and of at least the first three books of the Iliad or an equivalent, and practice in the writing of connected passages of Attic prose.

Students admitted without Greek may begin the study of Greek in the Freshman year and go on to the regular courses in that language.

ENGLISH

Preparation in English has two main objects: (1) command of correct and clear English, spoken and written; (2) power to read with intelligence and appreciation. The attainment of these objects requires a course of study covering at least three years, with five recitation periods each week.

To secure the first end, training in grammar and the simpler principles of rhetoric, and the writing of frequent compositions are essential. The candidate must be able to spell, capitalize, and punctuate correctly. He must show a practical knowledge of the essentials of terminology, inflections, syntax, the use of phrases and clauses; a thorough training in the construction of the sentence; and familiarity with the simpler principles of paragraph division and structure.

To secure the second end, the reading of a certain number of books is prescribed. The list is intended to give the candidate the opportunity of reading, under intelligent direction, a number of important pieces of literature. The prescribed books are divided into two groups as follows:

A

READING AND PRACTICE—The candidate will be required to present evidence of a general knowledge of the subject-matter of the books mentioned and to answer simple questions on the lives of their authors. The examination will usually be the writing of a paragraph or two on each of several topics to be chosen by the candidate from a considerable number set before him in the examination paper. The treatment of these subjects is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified by his instructor, containing composition or other written work done in connection with the reading of these books. The books for this part of the examination will be:

For 1912.

Group I (two to be selected). Shakespeare's As You Like It, Henry V, Julius Cæsar, The Merchant of Venice, Twelfth Night.

Group II (one to be selected). Bacon's Essays; Bunyan's The Pilgrim's Progress, Part I; The Sir Roger de Coverley Papers in the Spectator; Franklin's Autobiography.

Group III (one to be selected). Chaucer's Prologue; Spenser's Faerie Queene, Book I; Pope's The Rape of the Lock; Goldsmith's The Deserted Village; Palgrave's Golden Treasury (first series) Books II. and III, with especial attention to Dryden, Collins, Gray, Cowper and Burns.

Group IV (two to be selected). Goldsmith's The Vicar of Wakefield; Scott's Ivanhoe; Scott's Quentin Durward; Hawthorne's The House of the Seven Gables; Thackeray's Henry Esmond; Mrs. Gaskell's Cranford; Dickens's A Tale of Two Cities; George Eliot's Silas Marner; Blackmore's Lorna Doone.

Group V (two to be selected). Irving's Sketch Book; Lamb's Essays of Elia; De Quincey's Joan of Arc and The English Mail Coach; Carlyle's Heroes and Hero Worship; Emerson's Essays (Selected); Ruskin's Sesame and Lilies.

Group VI (two to be selected). Coleridge's The Ancient Mariner; Scott's The Lady of the Lake; Byron's Mazeppa and The Prisoner of Chillon; Palgrave's Golden Treasury (First Series) Book IV, with especial attention to Wordsworth, Keats and Shelley; Macaulay's Lays of Ancient Rome; Poe's Poems; Lowell's The Vision of Sir Launfal; Arnold's Sohrab and Rustum; Longfellow's The Courtship of Miles Standish; Tennyson's Princess; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Evelyn Hope, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Hervé Riel, Pheidippides.

For 1913, 1915.

Group I (two to be selected.) The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books i-v and xv-xvii; the Iliad, with the omission, if desired, of Books i-v and xv-xvii; the Iliad, with the omission, if desired, of Books xi, xiii-xv, xvii, and xxi; Vergil's Æneid. The Odyssey, Iliad, and Æneid should be read in English translation of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

Group II (two to be selected.) Shakespeare's Merchant of Venice; Midsummer Night's Dream; As You Like It; Twelfth Night; Henry the Fifth; Julius Cæsar.

Group III (two to be selected.) Defoe's Robinson Crusoe, Part I; Goldsmith's Vicar of Wakefield; either Scott's Ivanhoe or Scott's Quentin Durward; Hawthorne's House of the Seven Gables; Dickens's David Copperfield or Dickens's Tale of Two Cities; Thackeray's Henry Esmond; Mrs. Gaskell's Cranford; George Eliot's Silas Marner; Stevenson's Treasure Island.

Group IV (two to be selected.) Bunyan's Pilgrim's Progress, Part I; The Sir Roger de Coverley Papers in The Spectator; Franklin's Autobiography (condensed); Irving's Sketch Book; Macaulay's Essays on Lord Clive and Warren Hastings; Thackeray's English Humorists; Selections from Lincoln, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, and Letter to Horace Greeley, along with a brief memoir or estimate; Parkman's Oregon Trail; either Thoreau's Walden or Huxley's Autobiography and selections from Lay Sermons, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk; Stevenson's Inland Voyage, and Travels with a Donkey.

Group V (two to be selected.) Palgrave's Golden Treasury (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper, and Burns; Gray's Elegy in a Country Churchyard and Goldsmith's Deserted Village; Coleridge's Ancient Mariner and Lowell's Vision of Sir Launfal; Scott's Lady of the Lake; Byron's Childe Harold, Canto IV, and Prisoner of Chillon; Palgrave's Golden Treasury (First Series), Book iv, with especial attention to Wordsworth, Keats, and Shelley; Poe's Raven, Longfellow's Courtship of Miles Standish, and Whittier's Snow Bound; Macaulay's Lays of Ancient

Rome and Arnold's Sohrab and Rustum; Tennyson's Gareth and Lynette, Lancelot and Elaine, and Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City.

B

STUDY AND PRACTICE.—This part of the examination presupposes a careful study of the works named below. The examination will be upon subject-matter, form and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy. The books for this part of the examination will be:

For 1913, 1914, 1915, Shakespeare's Macbeth; Milton's Lycidas, Comus, L'Allegro, and Il Penseroso; Burke's Speech on Conciliation with America, or Washington's Farewell Address and Webster's First Bunker Hill Oration; Macaulay's Life of Johnson, or Carlyle's Essay on Burns.

For 1912.

Shakespeare's Macbeth; Milton's Comus, L'Allegro and Il Penseroso; or Tennyson's Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Burke's Speech on Conciliation with America or Washington's Farewell Address and Webster's First Bunker Hill Oration; Macaulay's Life of Johnson or Carlyle's Essay on Burns.

MATHEMATICS

I. ELEMENTARY MATHEMATICS.

(1) Algebra. Through equations of the second degree.

Although candidates are not examined in Arithmetic, a thorough knowledge of its fundamental principles is an essential part of a preparatory course. This subject should not be neglected by candidates.

The required work in Algebra should cover two years' work of five recitations per week, and includes the following subjects: Factors, fractions, ratio and proportion; negative quantities and interpretation of negative results; a thorough knowledge of radicals and the solution of equations involving radicals, fractional and negative exponents; the binomial theorem for positive integral exponents; extraction of roots; the solution of equations with one or more unknowns, whether of the first or second degree, and with literal as well as numerical coefficients, and of problems leading to such equations; arithmetical and geometrical progression.

It is recommended that the student familiarize himself with the solution of simultaneous equations of two or three unknowns, that he be able to solve quadratics at sight, either by factorization or by formula, and that he learn to draw the graphs of linear and quadratic equations of two unknowns.

(2) Plane Geometry. The required work in plane geometry should extend throughout one year of five recitations per week.

The theorems and constructions as found in good text-books: The properties of plane rectilinear figures; the circle, and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle. A large part of the time should be given to original demonstrations of exercises, and this should be insisted upon as a part of the required work in the course.

II. ADVANCED MATHEMATICS.

(1) Algebra, including choice, chance, theory of limits, the binomial theorem for negative and fractional

exponents, logarithms, series, determinants, graphs, derivatives, and the theory of equations.

(2) Solid Geometry, as represented by the ordinary college text-books. Candidates should be able to solve readily problems of solid mensuration and to demonstrate original theorems that may be deduced easily from the text.

(3) Plane Trigonometry, as represented by the usual text-books. Candidates must be familiar with the theory and use of six-place logarithmic tables.

FRENCH

The admission requirements in elementary and advanced French are those recommended by the Modern Language Association of America.

I. ELEMENTARY FRENCH.

The work to be done during the first year should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plurals of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing French from dictation.

During the second year, the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, of pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and the subjunctive.

Suitable texts for the second year are: About's "Le roi des montagnes," Bruno's "Le tour de la France," Daudet's easier short tales, La Bédollière's "La Mère Michel et son chat," Erckmann-Chatrian's stories, Foa's "Contes biographiques" and "Le petit Robinson de Paris," Foncin's "Le pays de France," Labiche and Martin's "La poudre aux yeux" and "Le voyage de M. Perichon," Legouvé and Labiche's "La cigale chez les fourmis," Malot's "Sans famille," Mairet's "La tâche du petit Pierre," Mérimee's "Colomba," extracts from Michelet, Sarcey's "Le siège de Paris," Verne's stories.

II. ADVANCED FRENCH.

During the third year the work should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

Suitable texts are: About's stories, Augier and Sandeau's "Le gendre de M. Poirier," "Béranger's poems," Daudet's "La Belle-Nivernaise," Corneille's "Le Cid" and "Horace," Coppée's poems, Le Brète's "Mon oncle et mon curé," Madame de Sévigné's letters, Hugo's "Hernani" and "La Chute," Labiche's plays, Loti's "Pêcheur d'Islande," Mignet's historical writings, Molière's "L'Avare," and "Le Bourgeois Gentilhomme," Racine's "Athalie," "Andromaque" and "Esther," Thier's "L'expédition de Bonaparte en Egypte," George Sand's plays and stories, Sandeau's "Mademoiselle de la Seiglière, Scribe's plays, Thierry's "Recits des temps mérovingiens," Vigny's "La canne de jonc," Voltaire's historical writings.

GERMAN

The admission requirements in elementary and advanced German are those recommended by the Modern Language Association of America.

I. Elementary German.

The first year's work should comprise: (1) careful drill upon pronunciation; (2) memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, of adjectives, pronouns, weak verbs, and the more usual strong verbs, also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word order; (4) abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in reproducing natural forms of expression; (5) the reading of 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in reproducing from memory sentences previously read.

The second year's work should comprise: (1) the reading of 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in translating into German easy variations upon the matter read, also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of grammar, directed to the end of enabling the pupil, first, to use his knowledge with facility in forming sentences, and second, to state his knowledge correctly in the technical language of grammar.

Stories suitable for the elementary course can be selected from the following list: Andersen, *Märchen* and *Bilderbuch ohne Bilder;* Arnold, *Fritz auf Ferien;* Baumbach, *Die Nonna* and *Der Schwiegershon;* Gerstäcker, *Germelshausen;* Heyse, *L'Arrabbiata*, *Das Mädchen von Treppi*, and *Anfang und Ende;* Hillern, *Höher als die Kirche;* Jensen, *Die braune Erica;* Leander, *Träumereien* and *Kleine Geschichten;* Seidel, *Märchen;* Stökl, *Unter dem Christbaum;* Storm, *Immensee* and *Geschichten aus der Tonne;* Zschokke, *Der zerbrochene Krug.*

The best shorter plays available are: Benedix, *Der Prozess*, *Der Weiberfeind*, and *Günstige Vorzeichen;* Elz, *Er ist nicht eifersuchtig;* Wichert, *An der Majorsecke;* Wilhelmi, *Einer muss heiraten.* Only one of these plays need be read, and the narrative style should predominate. A good selection of reading matter for the second year would be Andersen, *Märchen*, or *Bilderbuch*, or Leander, *Träumereien*, to the extent of about forty pages. Afterward, such a story as *Das kalte Herz*, or *Der zerbrochene Krug;* then *Höher als die Kirche*, or *Immensee;* next a good story by Heyse, Baumbach, or Seidel; lastly *Der Prozess*.

II. ADVANCED GERMAN

The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with especial reference to the infinitive and subjunctive), and likewise upon word order and word formation.

Suitable reading matter for the third year can be selected from such works as the following: Ebner-Eschenbach, *Die Freiherren von Gemperlein;* Freytag, *Die Journalisten* and *Bilder aus der deutschen Vergangenheit*, for example *Karl der Grosse*, *Aus den Kreuzzügen*, *Doktor Luther*, *Aus dem Staat Friedrichs des Grossen;* Fouque, *Undine;* Gerstäcker, *Irrfahrten;* Goethe, *Hermann und Dorothea* and *Iphigenie;* Heine's poems and *Reisebilder;* Hoffman, *Historiche Erzählungen;* Lessing, *Minna von Barnhelm;* Meyer, *Gustav Adolfs Page;* Moser, *Der Bibliothekar;* Riehl, *Novellen*, for example *Burg Neideck*, *Der Fluch der Schönheit*, *Der stumme Ratsherr*, *Das Spielmannskind;* Rosegger *Waldheimat;* Schiller, *Der Neffe als Onkel*, *Der Geisterseher*, *Wilhelm Tell*, *Die Jungfrau von Orleans*, *Das Lied von der Glocke*, *Balladen;* Scheffel, *Der Trompeter von Säkkingen;* Uhland's poems; Wildenbruch, *Das edle Blut.* A good selection would be: (1) one of Riehl's novelettes;

(2) one of Freytag's "pictures;" (3) part of *Undine* or *Der Geisterseher;* (4) a short course of reading in lyrics and ballads; (5) a classical play by Schiller, Lessing, or Goethe.

CHEMISTRY

The examination in this subject implies an acquaintance by recitation and laboratory work with elementary processes and with the properties of common chemical substances; also a familiarity with the chemical notation in its arithmetical meaning, including the ability to solve simple problems based on the relations expressed by formulas and equations.

The requirements in this subject include the study of both metals and non-metals, and may be met by the use of any good Elementary text-book and laboratory manual.

PHYSICS

The student must present satisfactory evidence that he has completed a year's work in Physics using a first class text-book (Carhart and Chute's, Millikan and Gale's, and Gage's are recommended). The course must include at least one two-hour laboratory period per week. To receive credit in Physics a certified note-book *must* be presented showing the student's *original record* of at least forty experiments.

BIOLOGY

One year's work in Biology may be offered for two points in the preparatory course. The year's work should be equivalent to at least one hundred one hour exercises, consisting of at least one-half laboratory work. The note-book records of laboratory work, certified by the instructor, will be required. The course may consist of one year's work in Zoölogy, or one year's work in Botany, or one-half year's work in each.

It is desirable that considerable field work be done; that the animals and plants be studied in their natural environment. A large amount of data, obtained through accurate observation out-of-doors, forms the best foundation for the work to be accomplished in the laboratory and recitation room.

It is more important that a relatively small amount of laboratory work be carefully and thoroughly accomplished by proper laboratory methods, than that a large amount of ground be covered in a superficial and unscientific manner.

For a year's work in Zoölogy, the following texts—supplemented with such laboratory work as time and text would require—are approved: General Zoölogy, by Linville and Kelley; Zoölogy, Descriptive and Practical, by Colton; Introduction to Zoölogy, by Davenport.

For one-half year's course in Zoölogy: Animal Life, by Jordan and Kellogg; Animal Forms, by Jordan and Heath; Practical Zoölogy, by Davison.

For a year's course in Botany: Plants, by Coulter; Elements of Botany, by Bergen; Introduction to Botany, by Stevens.

For a one-half year's course in Botany: such parts—selected by instructor—of one of the above texts, as can be properly handled in the time.

HISTORY

UNITED STATES HISTORY AND CIVICS.

The student should have a general knowledge of the colonization of the several states, the forms of government that existed previous to the War of Independence, the causes and principal events of that war, the

Period of the Confederation and the establishment of the Federal Constitution with the general history subsequent to that event.

English History.

In this subject a general knowledge of the social and political development of England is expected of the student. This applies in particular to the centuries subsequent to the Norman conquest and to the movements that culminated in the creation of a British Empire and of a limited monarchy.

Ancient History, Greek and Roman.

The student should know the main facts respecting the political development of Greece and the Roman Republic and Empire, and should possess a general acquaintance with Greek and Roman life, literature and art.

Students are admitted to Bates College as candidates for the degree either of Bachelor of Arts or of Bachelor of Science. The degree of Bachelor of Arts is regularly conferred upon those who have included among their courses one year of college Latin. In exceptional cases the degree may be conferred also upon students who have not taken Latin, but, beginning Greek in college, have continued the study of the same through Courses 1 and 2. Students who pursue neither Latin nor Greek receive the degree of Bachelor of Science.

ADMISSION GROUPS

To show clearly the requirements for admission the following grouping of the preceding subjects is made. Candidates for admission to the Freshman Class must show adequate preparation in all the subjects of Group I and in enough of Group II to make a total of 29 points. To count 2 points a subject must be pursued for one school year of thirty-six weeks with five recitation periods per week.

A. B. Course

Group I

	Points
English, A and B, (3 years),	6
Latin, Elementary and Advanced	8
Algebra	4
Plane Geometry	2
Roman History	1
Total required,	21

B. S. Course

Group I

	Points
English, A and B, (3 years),	6
Elementary French or Elementary German	4
Algebra	4
Plane Geometry	2
American History and Civil Government	1
Total required,	17

A. B. Course

Group II

Elementary Greek	4
Advanced Greek	2
Elementary French	4
Advanced French	2
Elementary German	4
Advanced German	2
Chemistry (including note-book)	2
Physics (including note-book)	2
Biology (including note-book)	2
Advanced Algebra	1
Solid Geometry	1

B. S. Course

Group II

Elementary Latin	4
Elementary Greek	4
Elementary French (if not offered in Group I)	4
Advanced French	2
Elementary German (if not offered in Group I)	4
Advanced German	2
Chemistry (including note-book)	2
Physics (including note-book)	2

Plane Trigonometry	1	Biology (including notebook)	2
Greek History	1	Advanced Algebra	1
American History and Civil Government	1	Solid Geometry	1
English History	1	Plane Trigonometry	1
		Roman History	1
		Greek History	1
		English History	1

Candidates for the degree of Bachelor of Arts must present in addition to Group I a selection of subjects from Group II aggregating eight units according to the valuation there indicated. This selection must include either Elementary Greek, Elementary French, or Elementary German.

Candidates for the degree of Bachelor of Science must present in addition to Group I a selection of subjects from Group II aggregating twelve units according to the valuation there indicated.

ADMISSION ACCORDING TO THE "HARVARD PLAN"

NEW REQUIREMENTS FOR ADMISSION TO HARVARD COLLEGE

To be admitted to Harvard College, a candidate

(1) Must present evidence of an approved school course satisfactorily completed; and

(2) Must show in four examinations as explained below that his scholarship is of a satisfactory quality:

SCHOOL RECORD

A candidate must present to the committee on admission evidence of his secondary school work in the form of an official detailed statement showing

(a) The subjects studied by him and the ground covered.

(b) The amount of time devoted to each.

(c) The quality of his work in each subject.

To be approved, this statement must show

(a) That the candidate's secondary school course has extended over four years.

(b) That his course has been concerned chiefly with languages, science, mathematics and history, no one of which has been omitted.

(c) That two of the studies of his school program have been pursued beyond their elementary stages, *i. e.*, to the stage required by the present advanced examinations of Harvard College or the equivalent examinations of the College Entrance Examination Board.

THE EXAMINATIONS

If the official detailed statement presented by the candidate shows that he has satisfactorily completed an approved secondary school course, he may present himself for examinations in four subjects as follows:

(a) English.

(b) Latin, or, for candidates for the degree of S.B., French or German.

(c) Mathematics, or physics, or chemistry.

(d) Any subject, not already selected under (b) or (c), from the following list:

Greek
French
German
History
Mathematics
Physics
Chemistry

These four examinations must be taken at one time, either in June or in September.

If we interpret the preceding statement correctly, it is evident that, in the application of this new method, it is intended to make the examinations in the different subjects tests of power to take advantage of college work and college methods, rather than upon mere ability to answer questions upon which candidates may have been carefully coached by experts. It will be seen that the new method makes use both of certificates and of appropriate examinations. It does not supersede methods already in vogue. Whether it will ultimately do this, cannot at present be determined. Applicants for admission to Bates choosing to be tested by the new method may have the opportunity.

"If a candidate is admitted, he will be admitted without conditions; if he is refused admission, no credit will be given for examination in the separate subjects in which he may show proficiency, and the refusal will mean that his school record and his college tests do not show that he has the scholarship which makes his admission desirable."

Graduates of preparatory schools whose methods and courses of study are approved by the Faculty of the College may be admitted provisionally, upon the certificates of the principals of such schools. The certificates must clearly show that the amount and quality of the work done by those who present them are equivalent to the published requirements of the college. At the close of the first semester all who have done scholarly work and maintained satisfactory deportment will be admitted to full standing.

All candidates for advanced standing not presenting certificates from other colleges will be examined in the preparatory studies, and also those previously pursued by the class they propose to enter, or in other studies equivalent to them.

Students of good character who are prepared to do college work, may be admitted to special courses under the direction of the Committee on Registration. All students who can do so are advised to matriculate for a degree, and no one will be allowed to use the privilege here offered for the purpose of securing a merely nominal connection with the college. Special students are subject to the same regulations regarding attendance and examinations as candidates for degrees, and must take fifteen hours of class-room work per week.

The regular examinations for admission to college begin on Monday preceding Commencement, and on Monday preceding the first day of the First Semester, at 9 o'clock A.M., in Room 5, Hathorn Hall. Arrangements may be made for taking examinations at the student's own school on the third Monday preceding Commencement. Principals, wishing thus to assume the responsibility of the examinations, should register their requests for examination papers with the Chairman of the Committee on Entrance Examinations not later than June 1.

Courses of Instruction

Most of the work of the Freshman year is required. Some electives are introduced in the second semester of the Freshman year and are increased in number with each succeeding semester. The essentials of a liberal education are constantly kept in view and the attainment of knowledge is made tributary to the love of study, the habit of investigation, and the tastes and aptitudes of the scholar. The individuality of students is recognized and encouraged without the sacrifice of breadth and thoroughness. Class-room work is supplemented by original observation and research and by a systematic use of the College Library.

While in every department the cultural aim is held constant and controlling, the culture sought is of the kind that pays tribute to life. While not mistaking itself for a professional school or a technical school, the College seeks to make all its instruction practical. Each teacher remembers that forty-three out of every hundred of Bates graduates become educators, and strives to exemplify the best Pedagogy. In addition, the College gives four definite courses in Education which, while thoroughly cultural, ensure to those pursuing them a teacher's certificate of the first class from State Boards of Education. In like manner, the courses in Elocution and in English, especially the courses in Argumentation, prove of great value to graduates who engage in public speaking and, in particular, to those who practice Law. So, also, the courses in Biblical Literature and Religion, while having a choice cultural value, are a substantial aid to students contemplating the Christian Ministry—being accepted as the full equivalent of a year's work in the best Theological Schools. The thorough courses in Chemistry meet the requirements of the best Medical Schools and those in Biology receive equal recognition. The work in Mechanics, in Electricity and Magnetism, and in the Elements of Electrical Engineering, assures to the general student of these subjects an intelligent acquaintance with the great natural forces of the industrial world and enables the prospective engineer to gain, at comparatively slight cost, advanced standing in such a school of applied science as the Massachusetts Institute of Technology.

Students wishing to enter the Maine Medical School after completing a year's work in Bates College must present the complete admission requirements as in the case of students matriculating for the A.B. or B.S. degree. The purpose of such students to pursue a medical course after completing the necessary college work must be attested by a written statement from their parents, or their guardian. A change to regular standing may be made only by special vote of the faculty. Such students are required to take work in Biology, Chemistry, Physics, French or German, and may elect one course in some other language.

I. ASTRONOMY

1. Descriptive Astronomy.

Three hours. First semester. Elective for Seniors and Juniors.

2. General Astronomy.

Three hours. Second semester. Elective for Seniors and Juniors that have passed Astronomy 1.

II. BIBLICAL LITERATURE AND RELIGION

1. The Literary Study of the Bible. An introduction to the study of the English Bible as a masterpiece of

literature. Lectures on the origin and growth of the Bible; its translation into English; its influence on English literature; its relation to other literatures. For the larger part of the course Moulton's Modern Reader's Bible will be used as a text-book, and the Bible will be studied like any other collection of literature. Attention will be called to the great variety of literary forms used by biblical authors, and at least one biblical book illustrating each literary form—poetry, drama, oratory, story, history, epistle, and the like—will be carefully read. Reference books: Moulton's Literary Study of the Bible, Moulton's World Literature, Gardiner's The Bible as English Literature, and Price's Ancestry of the English Bible.

Three hours. Second semester. Elective for Freshmen.

2. Oriental History. An outline study of the beginnings and development of civilization in the East to the time of Cyrus the Great and the return of the Jews from the captivity in Babylon. Large use is made of the recent monumental discoveries in the Orient. Lectures are given on the origin of mankind; the earliest known inhabitants in Egypt, Babylonia, China, India, Asia Minor and Palestine; the influence of these peoples on Western civilization. A few great epochs in the early history of the race are studied with respect to government, classes of society, family life, art, literature, and religion. The larger part of the course is biographical. Some great character in each age, like Menes, Hammurabi, or Moses, is chosen for special study. Around his name and career the student is taught to group the chief events and characteristics of the period. One aim is to lay a good foundation for an understanding of the great events that took place at the beginning of the Christian Era, and to show the

elements that entered into Western civilization from the Orient.

Three hours. First semester. Elective for Sophomores.

3. The Beginnings of Chistianity. This course views Christianity, in one aspect, as the culmination of all the preceding stages of Oriental culture, and is thus a continuation of Course 2. It covers the period from Cyrus the Great and the rise of Judaism to Mohammed and the checking of the Mohammedan conquest of the West at Poitiers in 732 A.D. It considers the preparation for Christianity in Judaism, in Persia, in the changes wrought by Alexander the Great, in Greek Philosophy, and in the revival of Oriental religions in the Roman Empire during the two centuries preceding the time of Christ. A special study is made of some of the great leaders from Christ to Mohammed, of the extension of Christianity through the Roman Empire, of the beginnings of Christian literature, and institutions, the results of the union of the Church and State, the Barbarian invasions, and the rise of Mohammedanism.

Three hours. Second semester. Elective for Sophomores.

4. Old Testament Literature. A study of the Prophets from Amos to Jeremiah, in chronological order, followed by a consideration of the origin, development, nature, and content of the Old Testament literature as a whole. The aim is to give the student a general acquaintance with the results of modern biblical scholarship, and a special knowledge of the Prophets, Job, and Psalms.

Three hours. First semester. Elective for Juniors.

5. New Testament Literature. This is a study of the origin and contents of the books of the New Testa-

ment: the historical situation in which the books arose; the persons to whom they were addressed; the primary aim of the writers; why and when the documents came to be considered sacred; the message of the books; a rapid survey of the rise of the conception of the Kingdom of God in the Old Testament, and of the development of the conception in the Old and New Testaments.

Three hours. Second semester. Elective for Juniors.

6, 7. The Hebrew Language. A study of the elements of the language, and a translation of Genesis and Deuteronomy. This course is for those who desire to secure advanced standing in a Divinity School, or for those who for any reason wish to gain an acquaintance with one of the Semitic languages.

Three hours. Through the year. Elective for Juniors and Seniors.

8, 9. The Hebrew Language. Reading of one or more historical books with a review of Hebrew Grammar and a study of the Syntax. The latter part of the year is spent in translating selections from the Prophets and Psalms.

Three hours. Through the year. Elective for Seniors or special students who have completed Courses 6 and 7.

10. The History of Religion. A study of the origin and development of religion, and a sketch of some of the chief religious systems of the world. This involves a consideration of the unity of religion, of the special forms assumed by religion in different tribes and special forms assumed by religion in different tribes and nations, and a comparison of some of the greater religious systems with Christianity.

Three hours. First semester. Elective for Seniors.

11. The Philosophy of Religion. This course starts with the results obtained in the History of Religion and considers the psychological origin of religion, the philosophical view of the world that religion demands, and the great religious doctrines in the light of modern scientific and philosophical views. It aims to harmonize and unify the phenomena of man's religious life with the other principal forms of his experience.

Three hours. Second semester. Elective for Seniors.

III. BIOLOGY

BOTANY

[1. Morphology, Physiology and Ecology of Flowering Plants. The method of instruction in this course is: (1) recitations upon the above subjects, as they are developed by a study of the text-book, by lectures and in laboratory work; (2) laboratory exercises, in which a careful study is made of the morphology of the various parts of the plant body. The seeds, roots, stems, leaves, flowers and fruits are taken up in succession. The structure and relation of these parts to the life processes of the plant are recorded in the laboratory note-book, by means of drawings and descriptive notes. Sufficient time is given to flower analysis, so that each student has such practice as will make him familiar with the method of work. Considerable attention is given to field work.

The aim of this course is two-fold: (1) To give the student a general yet comprehensive knowledge of the life processes and structure of the flowering plants; (2) to begin the training which is so essential to all scientific work—that of accurate observation.

Two one-hour periods and one two-hour period. Second semester. Not offered in 1911-1912. Elective for Freshmen and Sophomores.]

2. Morphology, Ecology and General Classification of the Plant Kingdom.

The work of the course comprises recitations, lectures and laboratory exercises. A study is made of the principles upon which modern classification is based. Type specimens representing the various groups and sub-divisions of the vegetable kingdom are studied with respect to their distinctive characteristics, structure, etc., together with a consideration of the inter-relations of the groups. In the laboratory the student studies and sketches most of the specimens taken up in recitations.

Field work constitutes an important part of this course. Trips are taken into the surrounding country for the purpose of collecting and studying the plants in their natural environment. This field work is especially helpful in fixing in the student's mind the general classification of the plant kingdom.

It is the aim of the course to give the student a knowledge of what organisms are included in the plant kingdom and how these same organisms are grouped in a general classification.

Two one-hour periods and one two-hour period. Second semester. Elective for Freshmen and Sophomores.

ZOÖLOGY

1, 2, and 3. General Principles of Zoölogy; and Morphology, Ecology and General Classification of Invertebrate Animals. Instruction is given by recitations and laboratory work. These courses aim to teach first, the general principles of the subject, its history and subdivision, the structure, development and functions of cells, tissues and organs, general embryology, etc.; second, the outlining of the principal groups of the animal kingdom, studying their ecology and morphology. The laboratory work is confined to representatives of the chief groups of invertebrates. Typical forms are studied microscopically or dissected, and careful drawings with descriptive notes must accompany the laboratory work.

This course begins with the Sophomore year and continues for three semesters. One one-hour recitation period and two two-hour laboratory periods. Elective for Sophomores.

4, 5, and 6. Comparative Anatomy of Vertebrates. Instruction in this course is given chiefly by laboratory exercises and lectures. Type representatives of the different classes of Vertebrata are very thoroughly dissected and studied in a comparative way, from the lower forms to the higher. All observations and records are kept by means of drawings and notes. The course is intended especially for those who are particularly interested in biological science, or in the study of anatomy and medicine.

Two two-hour laboratory periods and one one-hour lecture period. This course begins with the second semester of the Junior year and continues for three semesters. Elective for Juniors.

7 and 8. Microscopic Technique and Histology.

In these courses instruction is given by lectures, recitations and laboratory work. A study is made of the parts and use of the compound microscope, together with laboratory work upon the more essential methods of investigation. This involves practical work upon an invertebrate animal and the different tissues of vertebrates. The student experiments with the important methods of fixing, hardening, staining, dehydrating, clearing, imbedding, sectioning and mounting objects for microscopic study.

Further, the student is introduced to the general subject of animal histology, by a careful study of the above preparations.

Two two-hour laboratory periods and one one-hour recitation period. First and second semesters. Elective for Seniors.

BACTERIOLOGY AND SANITATION

This course aims at making the student a more effective member of the home and of the community through an appreciative acquaintance with approved modern methods of household and municipal sanitary administration.

Part I, Bacteriology, deals with the place of the microscopic fungi in nature, and with the structure, life history, and vital activities of yeasts, molds, and various types of bacteria. This study makes possible an understanding of the principles that govern growth and reproduction.

One hour. First semester. Required of Sophomores. Elective for Juniors and Seniors.

Part II, Sanitation, applies these principles to the problems of personal, household and municipal cleanliness; the construction and care of storage facilities; care, inspection, and sale of food supplies; construction and care of sanitary appliances; drainage; the disposal of wastes; disease, infection, immunity; the sick room; care of the public health, etc. Illustrations are taken from examples of progressive municipal sanitary practice. The place of bacteria in the industries, and their relation to the fertility of the soil are also briefly discussed. Lectures, papers, discussions.

One hour. Second semester. Required of Sophomores. Elective for Juniors and Seniors.

PHYSIOLOGY FOR MEN

1. Physiology, Anatomy, and Hygiene. Instruction in this course is given by lectures and recitations. This course is devoted chiefly to Physiology and Hygiene with emphasis placed upon Hygiene. "The Human Mechanism" by Hough and Sedgwick is used as a text.

Three hours. First semester. Required of Freshmen who do not offer Greek for entrance.

The practical value of the course is greatly augmented through the use of the Bock Stegers anatomical models of the heart, eye, ear, trunk, etc.; also by use of a human skeleton.

PHYSIOLOGY FOR WOMEN

1. Anatomy, Physiology, and Hygiene. A study of the structure of the human body and the application of such knowledge to the care of the health. Special emphasis is laid upon personal hygiene. Instruction is given through lectures, recitations and required readings. Hough and Sedgwick is used as text-book.

Three hours. First semester. Required of Freshmen who do not offer Greek for entrance. Special provision for instruction in personal hygiene is made this year for those electing Greek.

An extension of this course in the form of departmental lectures on different phases of personal, domestic, and civic hygiene will be given from time to time through the provisions of the Olivia Phelps Stokes fund.

ORNITHOLOGY

1. Considerable attention is given to the study of Ornithology, apart from that of general zoölogy. In the first semester twelve lectures are given to the Freshman Class on the characteristics of birds—peculiarities of physical structure, flight, utility, song, beauty, intelli-

gence, and migration; on the fossil, sub-fossil, and extinct birds, and on classification. The last lecture is devoted to the winter birds of Maine. This lecture is preparatory to the work to be done by the class during the winter. Prizes are given to the members of the class that report the longest list of birds observed and carefully identified between the first of December and middle of March. Two prizes are also given to the class for the best winter sketches of not more than two thousand words each.

2. In the twelve lectures given in the spring all the species of the inland birds of Maine are described and the mounted specimens are shown to the class. Four times a week, from the last of March to the middle of June, the members of the Freshman class make early morning excursions of one hour and a half to the fields and woods in search of the birds. From 75 to 130 different species are recognized in one year by the careful observers.

IV. CHEMISTRY

Work in this department includes lectures, recitations and laboratory work, and continues through the Sophomore, Junior, and Senior years. The study begins with lectures and recitations on the non-metallic elements and their compounds. In connection with these subjects the elements of Theoretical Chemistry are taught, and the students are given practice in the solution of a variety of chemical problems.

1. Inorganic Chemistry, the non-metals. This course is devoted to the elementary principles of the science. It deals with the nature and properties of a few common elements and the application of the fundamental laws and theories concerning their combination. Recitations, experimental lectures and laboratory work.

Three hours. First semester.

2. General and Experimental Chemistry. A continuation of Course 1, dealing largely with the metallic elements and including a few of the more common carbon compounds. Recitations and lectures with laboratory work.

Three periods. Second semester.

Courses 1 and 2 are elective for Sophomores.

3. Qualitative Analysis. An inductive course of basic and acid analysis. Laboratory work, with lectures upon the methods and theories involved.

Three exercises (six hours). First semester. Elective for all who have taken Courses 1 and 2, or their equivalent.

4. A continuation of Course 3. The separation of a large number of mixed compounds. This is followed by an introduction to the study of the compounds of carbon, covering the methane and benzene series and their derivatives.

Three exercises (six hours). Second semester. Elective for those who have taken course 3.

5. Quantitative Analysis. Laboratory practice in the methods of gravimetric and volumetric analysis; separation and estimation of metals, acids, and water of crystallization.

Three exercises (six hours). First semester. Elective for students who have taken Courses 3 and 4.

6. Quantitative Analysis. A continuation of Course 5, with additional work on alloys, ores and mineral waters, with various complex analyses and their applications.

Three exercises (six hours). Second semester. Elective for students who have taken Course 5.

7. A lecture and reading course. Historical and theoretical chemistry.

Two hours. First semester. Elective for Seniors.

8. Industrial Chemistry. This course combines lectures and laboratory practice on some of the processes of applied chemistry. Bleaching and dyeing, also manufacture of fertilizers, soap, paper and cement are considered.

Two hours. First semester. Elective for Seniors.

9. Sanitary Chemistry. This is a lecture course dealing with the primary necessities of life—air, food, water and shelter,—and the subjects closely related to them.

One hour. Second semester. Elective for Seniors and Juniors.

10. Physiological Chemistry. Lectures and laboratory work. The chemistry of digestion is taken up, also the analysis of urine, blood, saliva and gastric juice. This is followed by the detection of poisons and the action of strong drugs on the system.

Two exercises. Second semester. Elective for Seniors.

11. Assaying. A laboratory course dealing with the principles on which this method of analysis is based, and giving attention mainly to the assaying of the ores of gold and silver.

Two exercises. Second semester. Elective for Seniors.

V. ECONOMICS

1. Elementary Economics. A study of the nature and meaning of the principles of Economics and a general survey of such practical economic problems as money, credit and banking, the tariff, monopolies and trusts, the labor problem, etc.

Three hours. Second semester. Elective for Juniors.

2. Money and Banking and Public Finance. A study is made of the evolution of money, metallic and paper, of currency problems, the principles and the his-

tory of banking in the United States; public expenditures, forms of revenue, debts, financial organization and administration. This course alternates with course 3.

Three hours. First semester. Elective for Seniors. Not given in 1911-1912.

3. Labor Problems—a study of the wage system, profit sharing, labor co-partnership, trade union policies and methods, industrial arbitration, etc. Prerequisite, course 1.

Three hours. First semester. Elective for Seniors.

VI. ENGLISH

1. Rhetoric and English Composition. Recitations, themes, lectures, conferences, and required reading. A systematic study of paragraphing and description.

Three hours. First semester. Required of Freshmen.

2. Rhetoric and English Composition. Recitations, themes, lectures, conferences, and required reading. A systematic study of exposition and narration.

Three hours. Second semester. Required of Freshmen.

3. Argumentation. A systematic study of the principles of argumentation. In the recitations, careful attention is given to the analysis of propositions, methods of briefing, the employment of evidence in the proof, refutation, the preparation of forensics from briefs, and the oral debate. As a part of the work of the course each student is required to prepare and to deliver in public a forensic on some selected proposition. Class debates furnish training in extemporaneous debating, and, also, serve to illustrate the principles studied in the recitation.

Three hours. First semester. Required of Sophomores.

4. Advanced Composition. Open to Sophomores.

a. This course is for those who have shown excellence in some form of composition. Special attention is given to the finer qualities of style in writing. The composition work consists of the writing of essays and short stories. The class work cosists of recitations, reports, lectures, and discussions.

b. Open to all Sophomores who desire further work in composition. Special attention is given to the gathering of material for essays, to outlining, and to the essential principles and qualities of good style, such as Clearness, Unity, Mass, and Coherence. The composition work consists largely of short essays. The class work consists of recitations, supplemented by lectures and reports.

Three hours. Second semester.

5. Advanced Argumentation. Open to a limited number of Juniors and Seniors who desire to continue work in debating and who have shown ability in previous work in argumentation.

First semester, counts as a three-hour course.

6. *a.* History of English Literature to the end of the Elizabethan Age, with a critical study of selections from Chaucer.

b. The drama. Lectures on the origin and development of the drama and its history from Aeshylus to Shakespeare. Critical study of selected plays of Shakespeare, with required reading of other works of the Elizabethan Age.

Four hours. First semester. Required of Juniors.

7. Literature of the Seventeenth and Eighteenth Centuries. Critical study of selected works of prose and poetry, with lectures on the literary history and biography of the period. Required reading of other works, with research in the Library, reports, abstracts, and discussion in class.

Four hours. Second semester. Elective for Juniors.

8. Lectures on literary criticism, with special reference to fiction. Reading of selected works of the Nineteenth Century. Investigation of topics in literary history and criticism. Current literature.

Four hours. First semester. Elective for Seniors.

9. English Literature of the Nineteenth Century. Special study of Tennyson and Browning.

Four hours. Second semester. Elective for Seniors.

10. Teachers' Course. Designed for those who expect to teach English in secondary schools.

Extra, one hour. Second semester.

SOPHOMORE PRIZE DEBATES

Preliminary Debates.—All Sophomores are required to take part in these debates, the subjects of which are announced in the first term of Freshman year. A prize for excellence in debate is awarded in each division of the class.

First semester.

Champion Prize Debate.—The six speakers presenting the best arguments in the Preliminary Debates participate in the Champion Prize Debate; all other Sophomores present Essays on a prescribed subject, in competition for a prize.

Second semester.

REQUIRED COMPOSITION WORK OF JUNIOR AND SENIOR YEARS

This work, in continuation of that done in courses 1 to 4, is required of all members of the Junior and Senior classes, whether they elect English or not. An essay is presented in each semester, as follows:

11[1]. Essays based on the study of masterpieces of Exposition or Persuasion.

Junior year, first semester.

12[1]. Theses on subjects requiring extended investigation.

Junior year, second semester.

13[1]. Original declamations on assigned subjects. Each member of the Class reads his declamation before a committee, by whom the best twelve are selected for delivery in a prize contest during Commencement week.

Junior year, second semester.

14[1]. Essays in criticism of some classic in English or American fiction.

Senior year, first semester.

15[1]. Original Parts for the Senior Exhibition. Each student reads his part before a committee, who choose twelve to speak in the Exhibition.

Senior year, second semester.

16[1]. Commencement Parts. Every member of the class writes a part, but the Commencement speakers are chosen on the basis of scholarship.

Senior year, second semester.

VII. FRENCH

1, 2. Beginners' French. Pronunciation, Grammar, Reading, Composition.

Three hours. Through the year. Required of Freshmen who do not present French for admission.

3, 4. Intermediate French. A course in general and historical prose. Grammar and Composition.

Three hours. Through the year. Open to Freshmen. Elective for students who have passed in course 2 or who have passed the examination in Elementary French for admission.

5, 6. Advanced French. Reading in authors belonging to special periods of French Literature.

Three hours. Through the year. Elective for students that have passed course 4 or that have passed the examination in Advanced French for admission.

7, 8. French Composition and Conversation. The course furnishes practice in speaking and writing French. It consists of dictations, composition, readings and talks in French and aims to enable the student to understand readily French when spoken and to give him thorough training in the use of the idioms of the language.

Three hours. Through the year. Elective for students that have passed in course 6 and for others with the consent of the instructor.

9, 10. General Survey of French Literature. Lectures, reading, themes.

Three hours. Through the year. Elective for students that have passed in course 6.

11, 12. French Literature of the Sixteenth and Seventeenth Centuries. Lectures, themes and collateral reading.

Three hours. Through the year. Offered in alternate years. Not offered in 1912-13.

Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

13, 14. French Literature in the Eighteenth Century. Lectures, translation, collateral reading, and written tests. Three hours. Through the year. Offered in 1912-13. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

15, 16. French Literature in the Nineteenth Century. Lectures, translation, collateral reading, and written tests. Three hours. Through the year. Offered in alternate years. Offered in 1912-13. Elective for Juniors and Seniors and such others as may satisfy the instructor of their ability to undertake the course.

VIII. GEOLOGY

1, 2. General Geology.

Through the year. Three periods of one or two hours each. Elective for Juniors and Seniors.

3. Advanced studies in Geology.

First semester. Three periods of one or two hours each. Elective for students that have passed Geology 1 and 2.

4. Geography.

Second semester. Three periods of one or two hours each. Elective for students that have passed Geology 1 and 2.

IX. GERMAN

The study of German is required during the Freshman or Sophomore year and is elective during the remainder of the course, three hours per week.

The aim of the required work is the acquisition of a thorough knowledge of the fundamentals of German grammar and the ability to translate into good English all texts read, an introduction to the masterpieces of the German drama of the classical period, a general knowledge of the history of German Literature and a comprehensive view of the tendencies in German literature since Goethe's death.

Careful drill in pronunciation and the intelligent reading of the German text are insisted upon. Some practice in conversation is given, and German is used in the classroom as far as is deemed advisable by the instructor. In the elective courses a large amount of collateral reading outside the class-room is expected. Advanced grammar and composition are not lost sight of throughout the course, although no specialty is made of these subjects after the first year.

1, 2. Elementary Course. Grammar, composition, pronunciation, dictation, reading of graded selections of German prose and poetry.

Three hours. Through the year. Required of Freshmen that present advanced French for admission; and of Sophomores that have not taken the equivalent.

3, 4. Intermediate Course. Modern prose, narrative and dramatic. Selected works from such authors as Baumbach, Freytag, Grillparzer, Heyse, Keller, Reihl, Storm, and Wildenbruch. Review of the grammar of the first year, and study of the syntax based on the texts read. Prose composition.

The purpose of German 3 and 4 is to give the student facility in reading standard modern narrative prose.

Three hours. Through the year. Required of the Freshmen that present advanced French and elementary German for admission. Elective for Sophomores and for Juniors that have had German 1 and 2.

5, 6. Introduction to German Literature of the Eighteenth Century. Selected dramas from Lessing, Goethe, and Schiller. The purpose of German 5 and 6 is an introduction to the latest classical period in the history of German Literature. The work of the first term will deal mainly with Lessing, and with the Storm and Stress period as exemplified in the early works of Goethe and Schiller; during the second term emphasis will be laid on the later works of Goethe and Schiller as expressive of the clasical sympathies of the two poets.

Three hours. Through the year. Elective for Juniors. German 5 and 6 can be pursued to best advantage by Juniors that have had German 3 and 4. Juniors that have had only German 1 and 2, and that do not plan to elect German 7 and 8 are recommended to elect German 3 and 4.

7. Goethe's Faust. Part I and selected portions of Part II. In addition to a critical study of the text, special attention is given to the genesis and development of the Faust legend, and to the life of Goethe as reflected in Faust. Collateral reading in connection with the Faust theme.

Three hours. First semester. Elective for Seniors only.

8. Introduction to German Literature of the Nineteenth Century. A rapid survey of the most important movements of the nineteenth century, with illustrative readings from various representative writers. The work in the class room will be supplemented by lectures, reports, and collateral reading.

Three hours. Second semester. Elective for Seniors.

9, 10. Outline History of German Literature. German 9 and 10 are intended primarily for Juniors that presented advanced French and German for admission, and have taken German 5 and 6. The work in the history of the literature, one hour a week, will be supplemented by an intensive study of some literary movement or author of the nineteenth century.

Three hours. Through the year. Elective for Juniors after consultation with the instructor.

11, 12. Scientific German. These courses are intended primarily for students that wish to acquire a reading knowledge of scientific German. During the first term a general science reader, such as Mesinest's Introduction to Scientific German, Wait's German Science Reader, or Wallentin's Grundzüge der Naturlehre is used. The work of the second term depends largely upon the demands of the class. If desired, a monograph dealing with some particular phase of biology, chemistry, or physics is read.

One hour. Through the year. Elective for Juniors and Seniors.

X. GREEK

The courses in Greek are so arranged as to give the student a first-hand acquaintance with nearly all the divisions of the wide and varied field of Classical Greek Literature—Epic and Lyric Poetry, the Drama, the Historians, the Orators, Plato and Theocritus. The foremost purpose is to lead to an appreciation of the individual masterpieces read. At the same time the student is encouraged to become acquainted with the entire groups of which these separate works are specimens, and with the history, civilization and art of the periods to which they belong. Lectures and class and individual assignments of library work serve to enlarge the outlook gained from study of a single text. With the same end in view as many additional works as possible are covered through sight reading, and the reading and discussion of translations. While drill in grammar and syntax is not made the main end, accuracy and precision in these subjects are insisted upon throughout the course. Another constant purpose is to prepare intelligent and enthusiastic teachers of the Classics.

Courses 1 and 2 are required for all Freshmen that offer Greek for entrance. Students that expect to teach Greek or Latin, or that desire to secure a fairly complete classical course, are advised to continue Greek at least through their Sophomore year, taking courses 3 and 4, or 5 and 6. These courses are open also to Juniors. Courses 7 and 8 also are recommended to those who expect to teach Greek. Course 7 is a valuable course for general culture, and requires no knowledge of the Greek language.

1. The Odyssey, selections from Books I-XII.

Three hours. First semester. Required of Freshmen that present Greek for entrance.

2. Lysias, Selected Orations. Study of Athenian Life, based on Gulick's Life of the Ancient Greeks.

Three hours. Second semester. Required of Freshmen that present Greek for entrance.

[3. The Greek Tragic Poets. At least two plays will be read in the Greek and others in English versions.

Three hours. First semester. Elective for Sophomores and Juniors. Not offered in 1911-1912.]

[4 Plato, Apology and Crito, and selections from the Republic.

Three hours. Second semester. Elective for Sophomores and Juniors. Not offered in 1911-1912.]

5. Iliad of Homer; reading of selected books, and of intervening passages in English versions, with a view to acquiring a knowledge of the Iliad as a whole.

Three hours. First semester. Elective for Sophomores and Juniors.

6. Greek Lyric Poetry and the Idyls of Theocritus. Three hours. Second semester. Elective for Sophomores and Juniors.

7. Greek Civilization and Literature. The first half of the semester will be devoted to a study of the social, religious, artistic and political development of the Greek race, from the pre-historic period to the time of Alexander. The work will be in the form of lectures, with

assigned collateral reading. In the latter half of the semester Fowler's "Ancient Greek Literature" will be used as a text-book, supplemented by translation by the instructor of portions of selected works and by reading of others in English versions by the students. This course is open to all Juniors and Seniors, whether they have studied Greek or not.

Three hours. First semester. Elective for Juniors and Seniors.

8. Greek Composition.

One hour per week, first and second semesters. Elective for Sophomores, Juniors and Seniors.

The following courses are designed for students that enter college with a preparation in French or German instead of Greek, and who wish to begin Greek in the Freshman year. The same credits are given for these courses as for Courses 1 to 4. Students that have completed Course 4a may, in their Junior year, enter upon Course 1, or, with the approval of the instructor, upon Course 3 or 5.

While courses 1a to 4a are open to all students that enter college without preparation in Greek, they are of peculiar interest to students that, entering without Latin, desire to qualify for the degree of A.B. For such students the completion of courses 1a to 4a, followed by courses 1 and 2, or a year of more advanced work in Greek, is counted an equivalent for the preparatory and college Latin required for the degree of A.B.

1a and 2a. White's First Greek Book and Xenophon's Anabasis, Book IV.

Three hours. First and second semesters. Elective for Freshmen.

3a. Selections from Lucian and Herodotus. Review of Grammar and Syntax.

Three hours. First semester. Elective for Sophomores.

4a. Homer, Selected Books from the Iliad or Odyssey.

Three hours. Second semester. Elective for Sophomores.

XI. HISTORY

ANCIENT

For courses 1 and 2 see courses 2 and 3 on pages 42, 43.

3. Greek and Roman Statesmanship. Greek and Roman History, studied with special reference to the problems encountered by statesmen in foreign relations and domestic politics.

Three hours. Second semester. Elective for Freshmen. (Course 3 is given by Professor G. M. Chase.)

See also, in the Greek Department, Course 7, Greek Civilization and Literature.

MEDIAEVAL AND MODERN

4. Mediæval Europe. A survey of the Roman Empire, the invasions of the German tribes, and a more detailed study of the development of France, Germany and Italy throughout the mediæval period. Special attention is given to such topics as Feudalism, the Crusades, the Mediæval Church, the Renaissance and the Protestant Reformation.

Three hours. First semester. Elective for Sophomores.

5. The Modern Age. Continuing course 5, it deals with the development of the leading Continental European nations up to the present time. The last twelve weeks of the term are devoted to a more detailed study of the political and constitutional development of England throughout the entire period of her history.

Three hours. Second semester. Elective for Sophomores.

6. American History to 1800. A study of the establishment of the various European Colonies in America, their expansion, their political, social and economic development, the struggle between the French and the English for the possession of North America, the causes and the progress of the Revolutionary War, the formation of the Constitution, and the rise of political parties.

Three hours. First semester. Elective for Juniors.

7. American History, 1800 to the present time. Attention is centered upon the growth of nationality during the first part of the nineteenth century, upon the political phase of the controversy over slavery, upon the Civil War and Reconstruction, and upon the more important features of recent American History.

Three hours. Second semester. Elective for Juniors.

8. Europe in the Nineteenth Century. Mainly political, introductory to European politics of the present day. A preliminary study is made of the characteristic features of the Ancient Regime and of the French Revolutionary and the Napoleonic periods.

Three hours. First semester. Elective for Juniors and Seniors.

XII. HOUSEHOLD ECONOMY

I. A department in Household Economy has been opened this year. The purpose is to deepen interest in woman's work. The plan is presented this year in two ways,—

1. Courses that are given a definite place in the curriculum,—

a. Bacteriology.

One Hour. First semester. Required of Sophomores. Elective for Juniors and Seniors.

b. Household Sanitation.

One hour. Second semester. Required of Sophomores. Elective for Juniors and Seniors.

2. Courses that are presented by special lectures.

a. Lecture on Dietetics, Nutrition.

b. Lectures on Hygiene.

c. Lectures.

(1) The care of infants during the first years.

(2) Physical and Psychological Hygiene of Childhood.

d. Applications of Principles of Chemistry and Physics to the household.

e. The Conservation of Human Force in Industry.

f. The Present and Future Trend of Social Service.

g. The Status of Women in Industry.

h. The Family, Historical, Social, Ethical and Legal Aspects.

i. Laws Governing Property, Contracts, etc.

j. Art Ideals of the Home.

The expense for these lectures is met by a three-hundred dollar fund contributed by Miss Olivia Phelps Stokes.

XIII. LATIN

Latin is offered throughout the four years, three hours a week, except in Latin 4a. The courses for Juniors and Seniors are given in alternate years, and are open to both classes.

The courses of study in this department have been arranged with the belief that an acquaintance with Latin literature is an essential of real culture. An effort is made to cultivate the ability to read Latin easily and at sight, to secure grace in translation, an appreciation of the literary worth of the author, and a clear mental picture of the life and times in which each wrote.

Students intending to devote themselves to the teaching of Latin are advised to pursue the study of Latin for at least three years, and of Greek for at least two.

1. Livy: Burton's Selections.

Three hours. First semester. Required of Freshmen who offer Advanced Latin for admision and are candidates for the degree of Bachelor of Arts.

2. Horace: Odes, Epodes, and *Carmen Saeculare.*

Three hours. Second semester. Required of Freshmen who have taken Latin I and are candidates for the degree of Bachelor of Arts.

3. Cicero: *De Senectute, De Amicitia,* and Tusculan Disputations, Book I.

Three hours. First semester. Elective for Sophomores.

4. Latin Comedy: Two plays of Plautus, and one of Terence.

Three hours. Second semester. Elective for Sophomores.

4a. Latin Composition. This course is designed to meet the needs of students who expect to teach Latin.

One hour. Through the year. Elective for Sophomores.

5. Juvenal: Selected Satires. Martial: Selected Epigrams.

Three hours. First semester.

Elective for Juniors and Seniors who have completed at least two elective courses.

6. Tacitus: Selections.

Three hours. Second semester.

Elective for Juniors and Seniors that have completed at least one elective course.

[7. Pliny the Younger: Selected Letters. Tibullus, Propertius, and Ovid: Selected Elegies.

Three hours. First semester. Elective for Juniors and Seniors that have completed at least one elective course. Not offered in 1911-1912.]

[8. Horace: Selected Satires and Epistles.

Three hours. Second semester. Elective for Juniors and Seniors that have completed at least two elective courses. Not offered in 1911-1912.]

XIV. MATHEMATICS

1. Algebra and Solid Geometry. Ratio and proportion, variation, series, binomial theorem, undetermined coefficients, logarithms, permutations and combinations, continued fractions, theory of equations, graphic algebra. Wells' College Algebra. This portion of the work closes before the holiday vacation, and the remainder of the semester is given to solid geometry, which includes polyhedral angles, the various solids bounded by planes, the cone, the cylinder, and the sphere. This course includes a large amount of original work in demonstration and computation. Phillips and Fisher's Elements of Geometry.

Three hours. First semester. Required of all Freshmen.

2. Solid Geometry and Trigonometry. Plane Trigonometry with problems and applications. Phillips and Strong's Trigonometry.

Three hours. Second semester. Required of all Freshmen.

3. Spherical Trigonometry, Surveying and Plane Analytic Geometry. This is a continuation of Course 2, with problems and applications to astronomy. This portion of the work closes the fourth week and the remainder of the time before the holiday recess is given to surveying which includes the theory of chain, compass, and

transit surveying, leveling, the adjustment and use of instruments, computation of area, and scale drawings. Hodgman's Land Surveying. The remainder of the term is given to Plane Analytical Geometry. A study of the point and line. Tanner and Allen's Analytic Geometry.

Three hours. First semester. Elective for Sophomores.

4. Analytic Geometry. A continuation of course 5. The circle and transformation of co-ordinates, conic sections, equation of second degree, elements of solid analytic geometry.

Three hours. Second semester. Elective for students that have taken Course 3.

5. Differential Calculus. Differentiation of algebraic and transcendental functions with application to problems, change of the variables in derivatives, maxima and minima of functions of two or more independent variables, curve tracing, envelopes. Osborne's Differential and Integral Calculus.

Three hours. First semester. Elective for students that have taken courses 3 and 4.

6. Integral Calculus. Various methods of integration with applications.

Three hours. Second semester. Elective for students that have taken the previous courses.

7. Integral Calculus completed and Differential Equations. Integration as a summation, successive integration, surface, volume and moment of inertia of any solid, centre of gravity, pressure of fluids, force of attraction. This portion of the work closes with the tenth week of the first semester and the remainder of the semester is given to Differential Equations (Elementary course). Solution of ordinary and partial differential

equations with applications to geometry and physics. Campbell's Differential Equations.

Three hours. First semester. Elective for students that have taken courses 3 to 6 inclusive.

8a. Differential Equations completed. This is a continuation of course 7 and closes before the spring vacation.

8b. Determinants and Theory of Equations. This course is devoted to determinants, complex quantities, properties of polynomials, general properties of equations, symmetric functions, limits and separations of the roots of an equation, elimination and solution of numerical equations. Barton's Theory of Equations.

Three hours. Last eleven weeks of the second semester. Elective for Seniors.

XV. ORATORY AND VOICE CULTURE

1. The study and development of elemental thought processes as related to Vocal Expression. Attention. Sequence of Ideas. Conception.

Vocal Training. Correct method of breathing. Openness of tone passage. Preparatory actions for speech. Ease, freedom and openness in tone production. The study of articulation, enunciation and pronunciation.

One hour. Second semester. Required of Freshmen.

Prize Speaking, in which every member of the Freshman Class is prepared by special instruction and drill, and in which the principles studied in class are applied to public speaking.

2. The development of the Logical Instinct in speaking. The study of Emphasis and its various forms of expression. Inflection. Change of Pitch. Pause. Antithesis. Subordination. Movement. Force.

Vocal Training, to secure control of breath and elasticity of tone.

One hour. First semester. Required of Sophomores.

Prize Speaking, in which every member of the Sophomore Class is prepared by special instruction and drill.

3. The study of the Elements of Naturalness in speech. Work in conversation, narration, description and extempore speaking to develop naturalness in speech form.

Vocal Training, continued to develop agility and ease.

One hour. First semester. Elective for Juniors.

Special training for students competing for the Junior Exhibition.

4. Development of the Dramatic Instinct. Study of a Shakesperian play and short scenes from the old comedies.

One hour. Second semester. Elective for Seniors.

5. Study of the different forms of Oratory. Work on examples of each style, with training in gesture and attitude, as related to public speaking.

One hour. Second semester. Elective for Seniors.

6. Class in Methods of Teaching Elocution and Oratory designed to aid those who may have to coach students in Prize Speaking contests and Graduating parts.

One hour. Second semester. Elective for Seniors.

XVI. PHILOSOPHY

1. Christian Ethics. The aim of this course is to derive from the life and teachings of Christ the ideals and principles that are permanently applicable to human conduct, and to show their relations to the problems of individual character and of social progress presented in the life of to-day. The Bible and Stalker's "Life of

Christ" are used as text-books. There is a constant endeavor to make the work practical. To this end, topics requiring special reading are assigned, essays and discussions are prescribed, and occasional talks and lectures are given.

One hour. First semester. Required of Freshmen.

2. Psychology. A general, introductory study of the principles of mental activity. So far as possible mental life is studied in relation to neural conditions. The nature and processes of the various orders of sensation are exemplified from every day experiences. It is the constant aim to translate principles into facts; to explain abstractions by particular instances; simple experiments for determining reaction time for the different senses are introduced. Each student selects from a prescribed list certain habits to form and carefully notes and records the results. The tests and examinations are given for the purpose of determining how far the knowledge gained can be applied.

The text-book is supplemented by talks, informal lectures, and required reading. The student is encouraged to compare the authorities consulted with the conclusions that he derives from introspection; and an attempt is made, especially in the study of Attention, Association, Imagination, and Memory, to discuss and compare differences in mental individuality. So far as practicable, Psychology is made to shed light on the problems of Education and to yield practical suggestions to teachers. In the consideration of the Instincts, the Emotions, and the Will, the work is conducted largely from the ethical as well as the pedagogical point of view.

Three hours. Second semester. Required of Juniors; elective for Sophomores.

3. Advanced Psychology. A more intensive study of some of the problems treated only cursorily in Course 2, and an examination of many phases of the subject there altogether omitted. Of the latter mention may be made of Suggestion and Hypnotism, Social Psychology, and Genetic and Comparative Psychology, especially so far as these throw light upon the problems of Education.

Three hours. First semester. Elective for Seniors.

4. Philosophy. A general, introductory course designed to acquaint the student with some of the fundamental problems of thought, and with their historical development. The course begins with a reading of Paulsen's *Introduction to Philosophy,* the text serving as a basis for a discussion of such problems as the Relation of Philosophy to Religion, Philosophy and Science, Materialism, Naturalism, Evolution, Theism, Pantheism, The Nature of Truth, etc.

The latter half of the term is devoted to a brief survey of some of the systems of thought of modern times; Descartes, Leibnitz, Berkeley, Hume, Kant, Hegel, and others are thus briefly studied.

Three hours. First semester. Elective for Seniors.

5. Ethics. A study of various ethical theories with a view to finding a satisfactory basis for both civic and personal morality. The influence of Evolution upon Ethical Theory will be discussed and the metaphysical implicates of Ethics examined. The text will be supplemented by required reading, reports and informal discussions.

Three hours. Second semester. Elective for Seniors.

6. Logic. This course is designed not merely to acquaint the student with the principles of formal logic, but to enable him to utilize the knowledge gained in analyzing and evaluating argument. Theory is not disre-

garded, but practical value is made paramount. By actual practice in detecting fallacies the student is put upon his guard against error both in his own thinking and in the thought of others. Deduction and Induction are each studied in this way, especial attention being given to their application to argumentation.

Three hours. Second semester. Elective for Seniors and Juniors.

EDUCATION

The purpose of the following courses in Education is twofold: First, to acquaint the student with the general nature, function, and importance of education as one of the institutions of society for its own development; second, to give the student a clear conception of the educative process psychologically considered, and to help him to develop from such knowledge the principles of classroom methods and management. Theory is emphasized for the sake of breadth of view and perspective, though always with the understanding that the fruit of theory is correct and effective practice. The courses are designed to cover the requirements of the various States for work in this department.

1. History and Philosophy of Education. The course begins with a study of the educational practices of some of the nations of antiquity and of the Orient with a view to discovering how far and in what way their national characteristics have been shaped by their educational methods. Following this, the development of the occidental conception of education is traced down through the dominating ideas of the mediæval world and in the theories of modern reformers from Rousseau to Spencer.

The Philosophy of Education is designed to give the student a clearer and a broader conception of the nature and importance of education as a function of society, and of its value for the individual.

Three hours. First semester. Elective for Seniors.

2. Methods and Management. A study of the principles of mental growth and the concrete application of such knowledge to the special problems of the teacher. Such practical subjects as The Formal Steps in the Recitation, the Study Hour, Punishment, School Routine, etc., are made topics for extended reading and discussion.

Three hours. Second semester. Elective for Seniors.

XVII. FINE ARTS

1, 2. The Development of Italian Painting.

This course is a study in the interpretation of painting and is designed to give the student an intelligent basis for appreciating representative works. Two hundred photographs of famous paintings are owned by every student. Through preparation of references and by lectures these are connected into a chain of development of art principles. These include the efforts of Giotto, Fra Angelica, etc., who without scientific knowledge strove to depict both the world about them and the world of imagination; of Masaccio and the scientific painters, who solved problems of anatomy, perspective, foreshortening, proportion, light, shade, atmosphere, height, depth, composition and color; and through Piero della Francesco, Montegna, Perugino and Botticelli made possible the great work of Leonardo da Vinci, Michael Angelo, Giorgione, Titian, Correggio, Tintoretto, Veronese, and Guido Reni.

Principles of correct judgment are emphasized throughout the course.

Three hours. First and second semesters. Elective for Seniors and Juniors.

3, 4. The Development of Dutch and Flemish Painting will follow in 1912-13.

XVIII. PHYSICS

1. Elementary Mechanics and Heat. Recitations, with special attention to the solution and discussion of numerous practical problems, and laboratory work in precise measurements.

Three recitations and one laboratory period per week. Second semester. Required of Freshmen who are candidates for the B. S. degree.

2. Elementary Light and Sound. A continuation of course 1.

Two recitations and one laboratory period per week. First semester. Required of Sophomores who are candidates for the B. S. degree.

3. Elementary Electricity and Magnetism. A continuation of course 2.

Two recitations and one laboratory period per week. Second semester. Required of Sophomores who are candidates for the B.S. degree.

4, 5. General Physics. A course for students intending to take the A. B. degree and teach Physics in a High School. This course will emphasize the cultural rather than the technical side of the subject. It will comprise recitations and laboratory work with lecture table experiments.

Two recitations and one laboratory period per week. First and second semesters. Elective for Sophomores.

6, 7. General Physics (advanced course). A continuation of course 5.

Two recitations and one laboratory period per week. First and second semesters. Elective for Juniors who have completed 4, 5.

8. Direct Currents. Recitations, lectures, and practical problems in modern engineering practice.

Three hours per week. First semester. Elective for Juniors who have completed 1, 2, 3,

9. Alternating Currents. A continuation of course 8. Three hours per week. Second semester. Elective for students who have completed 8.

10. Electrical Laboratory. Advanced experiments in Electricity and Magnetism, including technical and precise measurements, photometry, standardization of instruments, construction of apparatus, etc.

One period per week. First and second semesters. Elective for students taking 8, 9.

11, 12. Analytical Mechanics.

Three recitations per week. First and second semesters. Elective for Seniors who have studied Calculus.

MECHANICAL DRAWING

The courses in drawing are designed to meet the requirements of students intending to study either civil, mechanical, or electrical engineering. The work is made as practical as possible.

1, 2. Mechanical Drawing. The use of instruments. Geometrical problems and projection. Simple mechanical details. Introductory to all courses in drawing. Three periods per week. First and second semesters of Freshman year.

3. Descriptive Geometry. Recitations and drawing. A continuation of course 1. Three periods per week. First semester of Sophomore year.

4. Machine Drawing. Elementary course. Three periods per week. Second semester of Sophomore year.

5. Topographical Drawing. Three periods per week. Second semester of Sophomore year.

XIX. POLITICAL SCIENCE

1. A course dealing primarily with the forms of federal, state and local government in the United States. Incidentally some attention is given to the fundamental nature of the state, of government in general, and of law. The main features of the political systems of Great Britain, Germany and France are also considered. Three hours. Second semester. Elective for Seniors.

XX. SPANISH

1, 2. Elements of Spanish.

Through the year. Three hours. Elective for Juniors and Seniors and, by permission of the Registration Committee, for Sophomores. To be given in 1912-13.

Course 3 of advanced readings in Spanish will be given the second semester of 1911-12, and other years if six or more students elect it.

XXI. HYGIENE AND PHYSICAL EDUCATION FOR MEN

HYGIENE

The Director of Physical Training gives each young man entering the Freshman Class a thorough physical examination during the first term of his attendance at College. From the measurements and strength tests taken, a chart is made out for each student, showing his size, strength, and symmetry, in comparison with the normal standard, and also what parts of the body are defective either in strength or development. A handbook containing the exercises prescribed for the correction of any physical defects shown by his chart, and giving specific directions in regard to diet and bathing, is furnished each student.

When any student is found defective in vision, he receives from one of the college oculists the specific treatment that his case may require.

Oculists

ANSON A. COBB, M.D.,
236 Main Street, Auburn

CHARLES E. NORTON, M.D.,
118 Lisbon Street

W. J. PENNELL, A.M., M.D.,
223 Main Street, Auburn

FREDERICK S. WAKEFIELD, A.B., M.D.,
342 Main Street

GEORGE P. EMMONS, A.M., M.D.,
147 Lisbon Street

1, 2. Hygiene. A course of practical lectures dealing with certain phases of personal hygiene: ways and means of securing and conserving health; habits; causes of disease; carriers of disease; defences against disease.

One hour. First and second semesters. Required of Sophomores.

PHYSICAL TRAINING

1. Class exercises: Military drill, setting-up exercises, and Indian-club swinging. Squad exercises (graded to suit the strength of each division): Basketball, indoor athletics, chest-weights, developing appliances, bar, rings, etc. From the first of November to the first of April. Required of Freshmen.

2. Class exercises: Setting-up exercises, dumb-bell drill. Squad exercises: Boxing, wrestling and heavy gymnastics, basketball, bowling, indoor athletics. Required of Sophomores.

3. Class exercises: Setting-up exercises, fencing with single sticks and with broad-swords. Squad exercises: Basketball, indoor athletics, heavy gymnastics. Required of Juniors.

HYGIENE AND PHYSICAL EDUCATION FOR WOMEN

The aim of this department is to enable each student to acquire and maintain that degree of health and of physical development that is essential to her highest mental, moral, and spiritual attainments. The work includes a study of the laws governing the health of the body and the practical application of some of the most fundamental of these through physical training.

This consists of out-door exercise in the fall and spring, and in-door gymnasium work from November till the spring recess.

The out-door exercises are taken in the form of athletic sports and games, as field-hockey, tennis, baseball, and cross-country walking. The ultimate aim of this part of the work is to develop in each student such a keen interest in open air sports and games as will ensure their pursuit in after-life.

The in-door exercises are taken in the form of gymnastics, games, and æsthetic movements.

The gymnastic work is based upon the Swedish system, and consists of free-hand floor work and light apparatus work especially adapted to women. These exercises aim to secure the hygienic effects of exercise, through a complete and powerful use of all the large groups of muscles of the body, to prevent and correct faulty posture, and to increase the power of co-ordination and the control of bodily movements. The educational value of the work is greatly increased by the playing of such games as basketball, captain-ball, volley-ball, and others, and by the use of fancy steps and Gilbert æsthetic movements. The latter train especially the sense of rhythm and the power of co-ordination, and tend to give grace and ease of movement and bearing, accompanied by increased endurance.

The physical condition of each young woman entering the Freshman class is ascertained by means of a physical examination, which includes measurements and strength tests and a thorough examination of the heart and lungs. At the end of the year, and at certain intervals during the remainder of the college course, this examination is repeated, thus making possible, through comparison with previous records, the showing of any increase in strength and development. When necessary, special corrective work is prescribed and done under the personal supervision of the director.

Three hours a week, through the year.

Required of Freshmen, Sophomores and Juniors. Elective for Seniors.

Outline of Studies

The figure preceding a subject indicates the number of the course in that study as explained on pages 40 to 81. The figure following a subject indicates the number of exercises per week. Electives are italicized. The left-hand column in the Freshman year shows the arrangement of courses for students who are candidates for the A.B. degree; the right-hand column, the arrangement for candidates for the B.S. degree. Subjects in square brackets [ ] are not offered in 1911-1912.

FRESHMAN YEAR

First Term

	A.B.	
1	Christian Ethics	1
1	English	3
1, 3	French or	3
1, 3	German	3
1	Greek (for students presenting Greek)	3
1	Latin	3
1	Mathematics	3
1 *a*	*Greek*	3
1	*Mechanical Drawing*	3
1	*Ornithology*	1
1	*Physiology*	3

	B.S.	
1	Christian Ethics	1
1	English	3
1, 3	French or	3
1, 3	German	3
1	Mathematics	3
1	Physiology	3
1	Mechanical Drawing	3
1	*Ornithology*	1

Second Term

2	English	3	2	English	3
2, 4	French or	3	2, 4	French or	3
2, 4	German	3	2, 4	German	3
2	Greek	3	2	Mathematics	3
2	Latin	3	1	Oratory	1
2	Mathematics	3	1	Physics	3
1	Oratory	1	1	*Biblical Literature*	3
1	*Biblical Literature*	3	[1	*Botany*	3]
[1	*Botany*	3]	2	*Botany*	3
2	*Botany*	3	3	*History*	3
2 *a*	*Greek*	3	2	*Mechanical Drawing*	3
3	*History*	3	2	*Ornithology*	1
2	*Mechanical Drawing*	3			
2	*Ornithology*	1			

SOPHOMORE YEAR

For differences between the A.B. and B.S. courses after the Freshman year consult Major and Minor Requirements on page 87

First Term

1	*Bacteriology	1	3	*German*	3
3	English	3	[3	*Greek*	3]
1	German	3	3*a*	*Greek*	3
1	**Hygiene	1	5	*Greek*	3
2	Oratory	1	8	*Greek*	1
2	Physics (B.S.)	3	4	*History*	3
2	*Oriental History*	3	3	*Latin*	3
1	*Chemistry*	3	4 *a*	*Latin*	1
3	*Descriptive Geometry*	3	3	*Mathematics*	3
5	*French*	3	4	*Physics*	3
			[1	*Spanish*	3]
			1	*Zoology*	3

*Required of women.

**Required of men.

Second Term

4	English	3
2	German	3
2	**Hygiene	I
3	Physics (B.S.)	3
2	*Sanitation	I
2	*Chemistry*	3
3	*Oriental History*	3
[I	*Botany*	3]
2	*Botany*	3
6	*French*	3
4	*German*	3
[4	*Greek*	3]
4*a*	Greek	3
6	*Greek*	3
9	*Greek*	I
5	*History*	3
4	*Latin*	3
4 *a,*	*Latin*	I
4	*Mathematics*	3
5	*Physics*	3
2	*Psychology*	3
[2	*Spanish*	3]
4	*Machine Drawing*	3
5	*Topographical Drawing*	3
2	*Zoology*	3

*Required of women.
**Required of men.

JUNIOR YEAR

First Term

6	English	4
I	*Astronomy*	3
I	**Bacteriology*	
4	*Biblical Literature*	3
3	*Chemistry*	3
5	*English*	3
I	*Fine Arts*	3
5, 7, 9, II	*French*	3
I, 3	*Geology*	3
5, 9	*German*	3
[3	*Greek*	3]
5, 7	*Greek*	3
8	*Greek*	I
6	*Hebrew*	3
6, 8	*History*	3
5	*Latin*	3
[7	*Latin*	3]
5	*Mathematics*	3
3	*Oratory*	I
6, 8	*Physics*	3
IO	*Physics*	I
[I	*Spanish*	3]
3	*Zoology*	3

*Elective for women.

Second Term

2	Psychology	3	9	*Greek*	1
2	*Astronomy*	3	7	*Hebrew*	3
5	*Biblical Literature*	3	7	*History*	3
4	*Chemistry*	3	6	*Latin*	3
9	*Chemistry*	1	[8	*Latin*	3]
1	*Economics*	3	6	*Mathematics*	3
7	*English*	4	6	*Logic*	3
2	*Fine Arts*	3	7, 9	*Physics*	3
6, 8, 10, 12	*French*	3	10	*Physics*	1
2, 4	*Geology*	3	2	*Sanitation	1
6, 10	*German*	3	[2	*Spanish*	3]
[4	*Greek*	3]	3	*Spanish*	3
6, 8	*Greek*	3	4	*Zoology*	3

*Elective for women.

SENIOR YEAR

First Term

1	*Astronomy*	3	7	*Greek*	3
1	*Bacteriology	1	8	*Greek*	1
5	*Chemistry*	3	6, 8	*Hebrew*	3
7 and 8	*Chemistry*	2	8	*History*	3
[2	*Economics*	3]	10	*History of Religion*	3
3	*Economics*	3	5	*Latin*	3
1	*Education*	3	[7	*Latin*	3]
5	*English*	3	7	*Mathematics*	3
8	*English*	4	4	*Philosophy*	3
1	*Fine Arts*	3	3	*Psychology*	3
5, 7, 9, 11,	*French*	3	11	*Physics*	3
1, 3	*Geology*	3	[1	*Spanish*	3]
7	*German*	3	5, 7	*Zoology*	3

*Elective for women.

Second Term

2 *Astronomy*	3
6 *Chemistry*	3
9 *Chemistry*	1
10, 11 *Chemistry*	2
2 *Education*	3
9 *English*	4
2 *Fine Arts*	3
10 *English*	1
6, 8, 10, 12 *French*	3
2, 4 *Geology*	3
8 *German*	3
9 *Greek*	1
7, 9 *Hebrew*	3
6 *Latin*	3
[8 *Latin*	3]
6 *Logic*	3
8 *Mathematics*	3
4, 5, 6 *Oratory*	1
5 *Philosophy*	3
11 *Philosophy of Religion*	3
12 *Physics*	3
1 *Political Science*	3
2 **Sanitation*	1
[2 *Spanish*	3]
3 *Spanish*	3
6, 8 *Zoology*	3

*Elective for women.

After the first semester of the Freshman year students elect subjects enough to make not less than 15 hours per week (16 including Oratory), and not more than 19, except by special permission.

The courses of instruction offered lead to the degree of Bachelor of Arts or Bachelor of Science.

The different departments of instruction are arranged under three groups: I, Languages; II, Philosophy (including History and the Social Sciences); and III, Sciences (including Mathematics).

GROUP ARRANGEMENT OF STUDIES

GROUP I	GROUP II	GROUP III
Languages	*Philosophy*	*Sciences*
English	Christian Literature	Astronomy
French	Economics	Botany
German	Education	Chemistry
Greek	Ethics	Engineering
Hebrew	Fine Arts	Geology
Latin	History	Mathematics
Spanish	Oriental Literature	Ornithology
	Philosophy	Physics
	Political Science	Physiology
	Psychology	Zoology

MAJORS AND MINORS

All candidates for degrees are required to make their selections with reference to major and minor subjects.

A major subject is one which is pursued at least three hours per week for three consecutive years, or consists of nine three-hour courses of definitely related subjects. The following are the major subjects available according to the present schedule: English, French, German, Greek, Latin, Biblical Literature, History, Philosophy (including Education and Fine Arts), Biology, Chemistry, Geology-Astronomy, Mathematics, and Physics.

A minor subject is one which is pursued at least three hours per week for two consecutive years, or consists of six three-hour courses of definitely related subjects, and may be pursued in any of the subjects possible for majors. In certain other cases, by arrangement with the Committee on Curriculum, a major or a minor study may be made up by a combination of related courses from different departments.

REQUIREMENTS

A candidate for the degree of Bachelor of Arts must complete before graduation a major subject in Group I or II, and a minor subject, beginning after the Freshman year, in each of the other Groups. A candidate for the degree of Bachelor of Science must complete before graduation a major and a minor subject in Group III, and a minor in each of the other Groups.

In complying with the above conditions, subjects indicated as required in the "Outline of Studies" may count equally with electives. A student in making his selections for the Junior year should indicate in which Group he intends to secure his Major, and in making his selections for the Senior year should indicate the Departments in which he intends to secure his Major and his Minors.

REGISTRATION

The committee on registration is in session on the first day of each term, and all students are required to register at that time unless previously excused. Students failing to comply with the above requirement are charged one dollar for subsequent registration, and this sum will be collected with their term bills.

HONORS

The method of awarding honors and assigning Commencement parts is as follows: Six honors, three to young men and three to young women, are awarded for Scholarship in each of the three general Groups as given under the Group Arrangement of Studies.

From the eighteen persons receiving these honors eight are selected to deliver Commencement parts.

LABORATORIES

CHEMICAL

On the first floor of the Hedge Laboratory are the chemical lecture room, with rooms adjoining for chemicals and apparatus, and a class laboratory room fitted up with tables and sinks sufficient to accommodate thirty-two students. The large laboratory room for qualitative analysis occupies the most of the second floor. It is well lighted, thoroughly ventilated, and conveniently fitted with sinks, hoods, and tables sufficient to accommodate seventy-three students. Adjoining this room are the weighing and apparatus rooms and the private laboratory of the professor. The removal of the coal bins and steam boiler from the basement of this building made it possible to use the whole of that floor for stock and laboratory rooms. Excellent accommodation has thus been provided for ninety-seven additional students.

The arrangement and appliances of the whole building are in accordance with most approved plans of modern laboratories.

PHYSICAL

The department comprises a well arranged lecture-room, a large and well appointed general laboratory and apparatus room, a dynamo room and workshop, and a dark room. These are conveniently arranged and well furnished for their purposes. The collection of apparatus for lecture purposes and for student laboratory work is rapidly growing.

BIOLOGICAL

Excellent accommodations have been prepared in Science Hall for a Biological laboratory and recitation rooms. These are fitted with the necessary appliances and afford ample opportunities for thorough and extensive work in this department.

CABINETS

BOTANICAL

The nucleus of the Herbarium was gathered many years ago by an enthusiastic botanist, the late Dr. Aaron Young. It contained a representative collection of New England plants. Many of the Maine specimens were gathered during the State Geological Survey, conducted by the late Dr. Charles T. Jackson. The plants chiefly used now, however, in identifying species, constituted the herbarium of the late President Chadbourne of Williams College.

Of this, Dr. O. R. Willis, a distinguished botanist of New York, has said: "It is one of the best working herbariums I have ever examined." Beside its collection of New England plants, including the grasses, sedges, ferns, etc.—in all about two thousand specimens—it has several groups of ferns from other countries, also fairly complete collections of mosses and lichens, named by the highest authorities, and more than a thousand fungi. There are collections of the plants of New Jersey, Tennessee, and Florida, also from several foreign countries, illustrating the identity of many families in Europe and America. There are, also, collections from Greenland, Labrador, and the tropics, and mountain flora from the Rocky Mountains, the White Mountains, and the Alps. There are, besides, some fifteen hundred duplicates. All these collections are in cabinets of the most approved construction.

MINERALOGICAL

The cabinet of minerals, shells, and fossils occupies a large room on the second floor of Science Hall. The collection is conveniently arranged and is steadily growing. No attempt is made to secure showy shelf specimens.

Educational value is the only thing considered. All the common minerals, and many of those of rare occurrence, are fully represented by typical specimens. It is intended to make the collection of local minerals as complete as possible. Among the shells and fossils are many choice specimens.

ORNITHOLOGICAL

The ornithological collection contains mounted specimens of nearly all the New England birds, beside many from other parts of the United States and from foreign countries. In all there are about one thousand specimens.

LIBRARIES

The number of volumes in the different libraries is as follows:

College Library (exclusive of pamphlets),	*31,305
Divinity School Library,	6,162
Total,	37,467

The college library has been selected with special reference to the needs of the several departments. It is composed mainly of modern publications, and contains many important works of reference.

Special funds from which income for the purchase of books is derived are the following:—

The Benjamin E. Bates Library Fund, founded in 1906, by a gift of $10,000 from Mr. Clement S. Houghton of Boston. This fund was given in memory of Benjamin E. Bates, the son of the Benjamin E. Bates whose name the college bears, and himself for twelve

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*This includes about 600 volumes donated by the Polymnian Society, and an equal number donated by the Eurosophian Society.

years a devoted and efficient member of the Board of Fellows of the Institution. The income of this fund is expended in the purchase of works upon History, Economics, Sociology and Mathematics—subjects in which Mr. Bates was much interested.

The Stephen and Mary Stickney Library Fund was established in 1909 by a legacy of $7,000 from Mrs. Mary M. S. Spaulding in memory of her parents.

Considering the expense involved in purchasing books most necessary to keep the library abreast of the times, the generous aid of friends of the College is invited to the establishment of new funds.

UNIVERSITY EXTENSION

Members of the Faculty are prepared to give lectures upon subjects in Science, Literature, Philosophy, History, Economics, Sociology, Pedagogy and Art. Particulars can be learned by correspondence with the President, or the Secretary of the Faculty.

APPLIANCES FOR PHYSICAL TRAINING

The Gymnasium is steam heated and equipped with the apparatus necessary for the thorough and systematic training and development of the human body. This apparatus is new and of the most approved modern pattern. In the basement of the Gymnasium are a pair of excellent bowling alleys; also convenient bathrooms, provided with lockers, hot and cold water, dip baths, shower baths, etc.

The women's dormitory contains a gymnasium sixty by forty feet long and twenty feet high. Adjoining the Gymnasium are the Director's office and the bath and locker room. The office is supplied with a set of anthropometrical apparatus; the bath and locker room contains four shower baths and one hundred and fifty-six lockers. All the apparatus is new and of the latest pattern, selected and arranged for work that combines the best points of the different systems of physical training. The equipment includes a complete set of Swedish apparatus, developing appliances, foils, masks, jackets for fencing, Indian clubs, dumb-bells, barbells. The floor is arranged for indoor gymnastic games, such as indoor baseball and basketball.

Ten fine tennis courts offer abundant opportunity for this healthful game.

ATHLETIC FIELD

The Garcelon Athletic Field, named in honor of the late Alonzo Garcelon, M.D., of the original governing board of the College, is considered one of the best in New England. It has a tasteful and commodious Grand Stand, sufficient for all present needs. The field, surrounded by a fence, has an area of seven acres. It contains a quarter-mile track, a two hundred and twenty yard straight-away, take-offs for the jumps and pole vault, a football field, and a baseball diamond.

OUTDOOR RUNNING TRACK

The wooden Track is rectangular in shape with a straight-away course of 74 yards. The width of the Straight-away is ten feet. The rectangle is five feet in width with a course of twelve laps to the mile. The Track is located near the Gymnasium. It is of modern arrangement, and, undoubtedly, the best in the State of Maine.

HEALTH OF STUDENTS

The health of students is an object of constant care. Physical examinations are given each year and suitable exercise is prescribed for each student. Lewiston has two of the best Hospitals in New England, and these are always open at special, reasonable rates to students requiring the services of skilful physicians or surgeons.

RELIGIOUS EXERCISES

At the close of the first morning recitation each day all the students, with the Faculty, assemble in the chapel for prayer, reading of Scripture and singing. The Students' Christian Associations—Young Men's and Young Women's—hold a union meeting once in two weeks in the Association room, from 6.30 to 7.15 o'clock. Every alternate Wednesday evening the Y. W. C. A. holds a religious service in Fiske Hall, from 6.30 to 7.15 P.M. The prayer-meetings of the Y. M. C. A. occur fortnightly on Wednesday evenings, alternating with the union meetings.

The methods employed are successful in making the meetings varied, attractive, earnest, and spiritual. One meeting each month is devoted to some phase of missionary work. Distinguished speakers address the Y. M. C. A. meetings from time to time.

In addition to these, weekly class prayer-meetings are held and are usually well attended.

This year, for the first time, the College has a resident Graduate Y. M. C. A. Secretary.

Group classes of Sophomores and Freshmen have this year been organized under the leadership of Seniors and Juniors. Senior and Junior classes are under the direction of members of the Faculty.

The officers of the Y. M. C. A. have arranged for mission-study classes during the second semester.

The last Thursday in January is observed as "The Day of Prayer for Colleges," and is set apart entirely for religious meetings. A sermon, to which the public is invited, is preached in the chapel at 10.00 A.M. It is hoped that Christian friends of the College generally will remember this day.

STUDENT ADVISERS

Near the beginning of the College year the young men of each class are divided into groups; and for each group some teacher acts as a special adviser. The attempt is made to assure to each student a true friend from whom in any perplexity or emergency he may freely ask counsel and aid. It is one of the cherished aims of the College to foster intimate and mutually helpful relations between teachers and students.

COLLEGE PUBLICATIONS

The *Bates Student* is published monthly under the direction of Editors and Managers selected from the Junior Class. The first number was issued in January, 1873.

The *Bates Bulletin*, published every three months, gives full information respecting the progress of the College. It will be sent to any address, upon application to the Registrar, for fifty cents a year.

LITERARY AND SCIENTIFIC SOCIETIES

The College has no secret societies. It is, doubtless, owing largely to this fact that all the students unite with an earnest and wholesome interest in the support of the three literary societies, the EUROSOPHIAN, POLYMNIAN, and PIAERIAN. Much systematic work is devoted to preparation for the weekly meetings, which are held on Friday evening, and are occasions not merely of social pleasure, but of most useful drill.

The programs contain assignments that encourage musical culture, literary criticism, essay writing, and debating.

The meetings afford thorough discipline in debate and in the proper conducting of deliberative assemblies, together with a stimulus to excellence in these attainments that to many is an educating force rarely found in college, and hardly second in utility to any department of the curriculum.

The Spofford Literary Club, composed of both young men and young women, has been organized recently, and its name and purpose constitute a choice tribute to the memory of the lamented Professor Spofford.

The Jordan Scientific Society, also recently organized, takes its name in honor of Dr. L. G. Jordan, Head of the Department of Chemistry. Its members are young men who find themselves eagerly interested in Science.

OTHER STUDENT BODIES

The Athletic Association is an organization of the men of the College for the promotion of physical training and of athletic sports.

The Women's Athletic Association is an organization of the women of the College for kindred purposes.

The young men maintain an Orchestra, a Glee Club, and a Mandolin Club; and the young women, a Glee Club and a Mandolin Club.

The Bates Prohibition League numbers in its membership a very large proportion of the students, men and women, and has organized under able leadership both for scientific study of the liquor problem and for aggressive practical work in the College and in the State.

No student organization of the College may incur any financial obligation, or make any contract involving monetary consideration, without first obtaining the sanction of the President of the College, or of the proper Faculty committee under whose supervision the organization is placed. In the event of the contemplated formation of any such new organization, the President of the College must first be consulted; and, if permission be granted to effect such organization, he will advise the student representatives of the particular Faculty committee under whose supervision the organization is placed.

YEARLY EXPENSES

Tuition (for instruction),	$50.00	$50.00
Tuition (for General Privileges),	25.00	25.00
Suites of rooms, including heat, for young men (two in a suite),	15.00 to	37.50
Board (36 weeks at $2.75 to $3.00 per week),	99.00	108.00
Lights, laundry, books, etc.,	20.00	30.00
Total,	$209.00	$250.50

Students taking Laboratory courses in Chemistry, Physics, Biology and Geology, are charged an additional fee varying from two to five dollars each semester, according to the nature and amount of the work.

The Freshmen pay a fee of one dollar for their medical examination, chart and hand-book.

Board in private families (laundry, fuel, etc., included), $4.00 to $5.00 per week. Rooms in private families, without board, can be obtained at reasonable prices.

Students are advised in regard to selecting their rooms and boarding places; and all students rooming in College buildings are held responsible for the rent of the rooms selected, unless other satisfactory arrangements are made with Professor George E. Ramsdell.

College Bills for the First Semester must be paid by November 15, and for the Second Semester by March 15. Students who are unable to pay their bills on, or before, the above dates must present their requests for extension of time for payment to the Assistant Treasurer before the date on which the bills are due. The Assistant Treasurer has authority to extend the time for payment for a period not exceeding two months. In exceptional cases, the payment of not more than one-half of the current bill may be postponed till the opening of the following Semester. No extension can be granted to Seniors on the bills for the Second Semester. Students by leave of absence away from college on the above dates are required to settle their college bills within five days after their return. Students who fail to comply with the above requirements will be subject to an additional charge of one dollar for each week, or fraction thereof, elapsing after the regular dates of settlement.

The regular College Bills are mailed to the parents or guardians of the students early in each semester.

Young men desiring information about rooms in the College dormitories should write to Professor George E. Ramsdell, 40 Mountain Avenue.

Young women desiring information should address Dean Marianna Woodhull, Rand Hall, Bates College. Young women desiring admission to Bates in the fall of 1912 should make application to the Registrar, Miss Elizabeth D. Chase, 16 Frye Street, not later than March 1, 1912. Each applicant is required to furnish a certificate of character and scholarship from her principal, a certificate of health equal to the demands of a College course from her physician, and a certificate of character and worth from her pastor. Not more than fifty applicants can be received in any one year. If practicable, the list of successful candidates will be announced about May 1.

EXAMINATIONS

Written examinations are given at the close of each Semester and at such other times as the instructors may determine.

RANK BILLS

These are sent to the parent or guardian of each student at the close of each Semester.

DEGREES

The Bachelor's degree is conferred on all students that complete satisfactorily the requisite courses. Each candidate for this degree must submit not later than May 15th of his Senior year a thesis of not less than one thousand words upon some subject representative of his accepted Major. His subject for this thesis must be selected from a list presented by the head of the department in which he has chosen his Major. Candidates are invited to submit subjects for the approval of those in charge of the lists.

It is understood that each list from which choices are to be made will be presented not later than Friday of the eleventh week of the first Semester.

The Degree of Master of Arts is conferred on graduates of the College of at least three years' standing who have completed one year's graduate non-professional study or its equivalent. Either two or three subjects may be selected, with the advice and under the direction of the heads of the College departments. Evidence of proficiency is to be given by examinations and theses.

Theses must be presented and fee paid as early as June 1st, and final examinations must be passed not later than ten days before the annual Commencement. The fee is $10.00. Modifications of the foregoing conditions may be granted resident graduates. Further information on the subject may be obtained by writing to the Secretary.

BUILDINGS

The College has thirteen buildings. These are kept in good repair and in the best sanitary condition. They are all heated by steam and lighted by electricity.

HATHORN HALL

Hathorn Hall, a beautiful and substantial building of three stories, contains the College Chapel, ten lecture rooms, the President's and the Assistant Treasurer's offices, a large study and a cloak room for women students. Through the generosity of successive classes, nearly all the rooms in this building have been finished and furnished with excellent taste. Hathorn Hall takes its name from Seth and Mary Hathorn, of Woolwich, Me., who in the early history of the institution contributed generously toward its erection.

PARKER HALL

Parker Hall affords accommodations for about one hundred young men. It has recently been renovated and modernized. The floors throughout are of hardwood. The rooms are arranged in suites, each consisting of a study and a bedroom. A commodious and tastefully furnished reception room, ample shower baths and other sanitary arrangements, and convenient and tasteful student apartments, render this hall one of the most homelike and satisfactory college dormitories in New England. The baseball cage in the basement affords uninterrupted opportunities for practice in the winter and in stormy weather. Parker Hall bears the name of the late Judge Parker of Farmington, one of the chief contributors for this, the second building erected upon the

Campus. The immediate supervision and care of this building are entrusted to the Parker Hall Association, made up of the student occupants.

HEDGE LABORATORY

The building of the department of Chemistry is called Hedge Laboratory, in honor of the late Isaiah H. Hedge, M.D., of Waukon, Iowa, who furnished the means for its erection. It is a two-story building finely located and of attractive modern style. Important improvements in this building have recently been made by which its capacity has been increased considerably and the general conveniences much improved.

SCIENCE HALL

Science Hall is the large three-story brick building formerly occupied by the Latin School. It is used by the departments of Physics and Biology and contains the botanical and mineralogical cabinets. It has met urgent needs during a period of rapid growth and marked progress. But, with the erection of the new science building, now under construction, it will be restored to its former chief use—that of a dormitory for young men.

ROGER WILLIAMS HALL

Roger Williams Hall is an attractive and commodious three-story brick building erected by the late Lewis W. Anthony, Esq., of Providence, R. I. This hall, formerly devoted to the needs of Cobb Divinity School, is now used for college purposes. The first floor is occupied by a large lecture room, two recitation rooms, a special library, a reception room, and a reading room. The other floors are used for dormitory purposes. The student suites in this building are unusually tasteful and convenient. They accommodate between forty and fifty young men. This building is under the supervision of the Roger Williams Hall Association.

A fund of $5,000 has been given by Dr. Alfred W. Anthony and Miss Kate J. Anthony for the permanent upkeep of this building.

CORAM LIBRARY

Coram Library, dedicated in 1902 and named for Mr. Joseph A. Coram, of Lowell, Mass., who contributed twenty thousand dollars towards its erection, is one of the most beautiful and best planned buildings of its kind. Its reading, reference, seminar, and stack rooms are models of taste and convenience. The furnishings throughout are of the most approved designs for modern libraries.

Individuals disposing of private libraries could find no better place in which to perpetuate the usefulness of rare and standard works.

The library is classified according to the Dewey system; there is a dictionary card catalogue; access to the shelves is entirely unrestricted. Attention is given to helping the students in using the catalogue, reference books, and special bibliographies. Books selected by professors for special reading in connection with class work are reserved on shelves near the delivery desk.

The library is open during term time from 9 A.M. to 5.30 P.M., daily, except Sunday, and from 7 P.M. to 9 P.M. on Monday, Tuesday, Wednesday, and Thursday.

One of the largest rooms has been reserved for the reception of statuary, bronzes, pictures, and curios that the friends of the College have been waiting to give when a suitable place should be provided.

Among other valuable gifts are casts of the Apollo Belvedere and the Diana of Versailles—both of heroic size. Under the will of the late George W. Harris of Boston, in commemoration of his intimate friendship with the first Benjamin E. Bates, the College has come into possession of a choice collection of music, including many rare manuscripts.

The College has recently received from Rev. Dr. and Mrs. Charles G. Ames, of Boston, an ideal bust of Christ, one of the works of noteworthy merit by Hiram Powers.

Through the generosity of Miss Annette P. Rogers, of Boston, the College has several hundred large photographs, excellent copies of celebrated originals in the famous museums of the old world. Miss Rogers has also given an admirable card catalogue of the photographs and 20 volumes of choice books upon art.

GYMNASIUM

The Gymnasium, a two-story wooden structure, with basement, has been a very useful building; but it should give place as soon as practicable to a more capacious and substantial structure of modern design. A new Gymnasium adequate for our needs would cost $100,000.00.

PRESIDENT'S HOUSE

The President's House, a spacious and attractive two-story building originally erected for the President's residence, has since 1895 served as a dormitory for women students.

RAND HALL

Rand Hall, completed in 1905 for the women of the College, is a beautiful three-story building one hundred and twenty feet in length by forty-three in breadth.

By action of the Trustees at their annual meeting in June, 1908, this building was named Rand Hall in memory of Professor John Holmes Rand and his untiring efforts to assure a true college home to the women of Bates. It contains a large, well-equipped gymnasium, Fiske reception room for student social gatherings, rooms for the Dean and for the Instructor in Household Economy, and for sixty young women, together with laundries, kitchens, dining-room, and all the appointments of a first-class women's hall.

MILLIKEN HOUSE AND WHITTIER HOUSE

The Milliken House and the Whittier House, through the generous consideration of Hon. C. A. Milliken, are now the property of the College. With the President's House and the New Dormitory, they afford ample and up-to-date accommodations for the young women of the College.

CENTRAL HEATING PLANT

The people of Maine by the unanimous action of their Legislature during the session of 1908 generously recognized the service rendered by Bates College to educational work in their State by the appropriation of $45,000 for the construction of a Central Heating Plant for the Institution. This plant has recently been completed under the supervision of competent engineers. It will materially lessen the cost of heating the college buildings and will promote at once the health, the comfort, and the convenience of their occupants. In its construction, provision has been made for extending its advantages to buildings hereafter to be erected.

LIBBEY FORUM

Through the generosity of Honorable W. Scott Libbey, the Literary Societies and the Christian Associations of the College have been provided with large, beautiful and convenient rooms—one for each of the three Societies and a fourth for the Y. M. C. A. and the Y. W. C. A. Libbey Forum has been erected to stand, and is probably the most solid and substantial structure in Lewiston. It is complete in all of its appointments. Its spacious corridors, its convenient cloak and toilet rooms, its arrangements for heat and light, and its furnishings, are all in complete harmony with the general design; and the result is an ideal home for the Societies that have long been one of the most unique and attractive features of Bates. It was dedicated on October 1st, 1909, and is now regularly occupied by the organizations for the benefit of which it was erected. The building occupies the large lot on the northern side of Mountain Avenue at its junction with College Street. The completion of this hall has made available for important uses of the College the rooms that have been occupied for society purposes in Hathorn Hall and Parker Hall.

THE AUDITORIUM

For his original design of erecting one large building that should meet the needs of the College Societies and also contain an audience room for public occasions, Mr. Libbey has substituted the plan of two separate halls. The Auditorium is to be built upon some suitable site within the main campus. It will be an important and highly valued addition to our system of buildings, removing, as it will, the present necessity of going a mile or more from our own grounds whenever we must provide for a large College gathering.

A NEW SCIENCE BUILDING

In January, 1908, Mr. Andrew Carnegie made a subscription of $50,000 for the erection of a new Science Building, his previous gift of the same amount having been for the increase of the general endowment. The conditions having been met, the corner stone of the new building was laid, during the last Commencement week. The Carnegie Science Hall will provide commodious and convenient accommodations for three departments, Physics, Physiology and Hygiene, and Biology.

The Biological Deparement will have ample and well furnished lecture and recitation rooms, a general laboratory for the courses in vertebrate and invertebrate zoölogy, a laboratory for histology and general microscopy, an herbarium room and laboratory for the botanical courses, a museum room, thirty-six by forty-one feet, an office and private laboratory, a departmental library room with a library already numbering several hundred choice volumes and to be enriched from year to year by the income of the Bickford Fund of $3,000 (established by Mr. Ira H. Bickford, of Boston, in July, 1911), and, in the thoroughly dry, well lighted and well ventilated basement, a taxidermic and tool room, a dark room, a sterilizing room, a supply room, and an unpacking room. The equipment throughout and the apparatus will be up-to-date, and carefully chosen.

The Department of Physics will have large laboratories for undergraduate work, a thoroughly equipped lecture room, supplied with water, gas, and various kinds of electric currents, enabling a wide range of experiments illustrating physical phenomena to be performed. A high class projection apparatus will be installed whereby numerous physical experiments may be projected upon the screen. While no branch of the department has been overlooked, the equipment along electrical and optical lines is especially strong. Large additions to the apparatus cabinet will meet all the conditions for a high state of efficiency in every division of the work of this department.

Students intending to pursue graduate work at Techcal or Engineering schools, may begin the study of Physics the second semester of the Freshman year and continue the subject until graduation. Laboratory work will constitute about thirty per cent. of the course. The experiments are designed to give the student a comprehensive view of the fundamental laws of Physics, to train him in making tests of commercial importance and to permit him to gain some familiarity with instruments of precision. The lecture-room part of the work is largely devoted to the solution and explanation of numerous practical problems, in order to lay a good foundation for graduate work in Applied Mechanics and Engineering branches. In the Junior and Senior years, courses are offered in the Elements for Electrical Engineering both Direct and Alternating Currents: taking up the construction and operation of commercial apparatus.

The course designed for students intending to take the A.B. degree and to teach physics in a High School is decidedly less technical and will give a comprehensive view of General Physics. The laboratory work for these students will include experiments using apparatus of the same general class that they will be compelled to use in most High Schools.

RESOURCES

Within a few years the resources of the College have been doubled. This has been due in large measure to the generosity of Mr. Andrew Carnegie and of Mr. Bartlett

Doe, late of San Francisco, each of whom gave $50,000 toward increasing the endowment; $60,000, also, were given by alumni and other friends of Bates in response to a condition imposed by Mr. Carnegie. Nearly $60,000 more have been added to the permanent fund by meeting the conditions of Mr. Carnegie's subscription for the science building, and by other gifts. The total invested funds of the College at the present time amount to more than $670,000; and its total resources, including grounds, buildings, library, and apparatus, have a value of more than $1,000,000.

GEORGE COLBY CHASE LECTURE FUND

On Commencement Day, June 28, 1906, one of the Trustees of the College announced the creation of a fund of $5,000 for the establishment of the George Colby Chase Lecture Fund for the maintenance of a permanent course of lectures to be known as the George Colby Chase Lecture Course. The College is indebted for this lecture fund to the late Honorable William Wallace Stetson, a former State Superintendent of the Public Schools of Maine. The purpose of the donor is definitely stated in the following citation from a prescribed trust agreement since executed: "Fourth, That the income of said fund shall be used exclusively for the maintenance of Lecture Courses in said College, and that no part of said income shall be used for any other purpose. Fifth, That speakers shall be selected who have done something worthy of special commendation, who have a message, and who can deliver it in such a manner as will be helpful to College students."

The far-reaching significance and substantial value of this lecture course for Bates students, thus made coeval with the life of the institution, can be better appreciated a century hence than now. This trust faithfully administered will break the isolation too often existing between the college and the world, and assure to every Bates man and Bates woman the quickening influences of great leaders in thought and achievement. The lectures thus far given under the provisions of this fund have been by Rev. Lyman Abbott, D.D., Rev. Hugh Black, D.D., Mr. George W. Cable, Professor R. W. Wood of Johns Hopkins University, Rev. Charles F. Aked, D.D., of New York, Henry S. Pritchett, President of the Carnegie Foundation for the Advancement of Teaching, Hamilton Holt, Managing Editor of the Independent, and Edward A. Steiner, D.D., of Grinnell College.

OTHER LECTURES AND ADDRESSES

Lectures and addresses have already been given this year as follows: The Educational Opportunities of the College Home, by Clarence F. Birdseye, Esq., of New York City; Some Applications of Science to Every Day Life, by Professor J. F. Woodhull of Columbia University; a lecture on Health before the young men of the College, by Dr. Lewis M. Palmer, Bates, '75, of South Framingham, Mass; lectures on Hygiene, by Dr. Phebe DuBois, of New York City; Laws governing the Contract and Property Rights of Women, by Justice A. R. Savage of the Supreme Bench of Maine; and The Conditions and Outlook for the Philippines, by W. K. Bachelder, Bates 1901, District Superitendent of Schools in the Philippines.

THE PUBLIC SERVICE OF BATES

To all who can prize her contributions to the intellectual and moral forces that must save our country Bates can unhesitatingly appeal. The number of her graduates at the present time is 1,648. Of this number 718 have become teachers—more than 43 per cent.—and 177 ministers—nearly 11 per cent.—the latter being distributed among ten religious demnominations. Within recent years Bates has made important contributions to the foreign mission field. Fifty-eight graduates have filled positions in Universities and Colleges, and more than this number have won distinction as State, City, and District Superintendents and as Principals of important Secondary Schools. Among the Higher Institutions to which Bates has contributed teachers are Albion, Amherst, Amherst Agricultural, Armour Institute, Bates, Brown University, Carleton, Colgate University, Connecticut Agricultural, Cooper Institute, Cornell University, Dartmouth, Denison University, Drury, Fairmount, Grant University, Harvard University, Hillsdale, James Millikin, Keuka, Knox, Miami, Middlebury, Massachusetts Institute of Technology, Northwestern University, Norwich University, Oahu (Hawaii), Pennsylvania State, Princeton University, Pomona, Redfields, Shaw University, Tufts, University of California, University of Colorado, University of Illinois, University of Maine, University of Oregon, University of Utah, Western Reserve University, William Jewell, Yale University, Yankton. In authorship, on the Bench, in Legislation, in Journalism, Law, Medicine, and Engineering, Bates has had distinguished representatives; while nearly the entire body of her alumni have proved themselves pure, earnest, useful citizens, ready for every good word and work, and making happier and better the communities in which they have lived. The thorough preparation that Bates gives for public speaking is shown by the honors won in the last thirteen years in twenty-four out of twenty-eight inter-collegiate debates—fourteen of these with Universities.

BATES AND THE CARNEGIE FOUNDATION

The high standards of scholarship maintained at Bates and the breadth and liberality of her administrative policy are indicated by the fact that she was admitted to the benefits of The Carnegie Foundation for the Advancement of Teaching in June, 1907. She has been characterized from the beginning of her history at once by her insistence upon Christian standards of character and conduct and by her freedom from sectarianism. Her original charter contained no denominational or creedal conditions; and the slight change from the breadth of management that had been made in 1893 was, by the unanimous vote of her Trustees, removed in 1906. Her application of Christianity to life finds expression in her supreme endeavor to educate her students for good citizenship and for self-denying service to mankind.

REASONS FOR AIDING BATES

1. To a large number of young men and young women she offers their sole reasonable hope for obtaining a liberal education. Both the necessary and the incidental expenses are lower than at any other New England College.

2. In the number and quality of her graduate educators, Bates is not surpassed, and, perhaps, not equalled, by any other College in America.

3. She has been successful in securing character as well as scholarship.

4. She is unsectarian.

5. Her location is the best possible for her usefulness. She gathers from a constituency widening every year young men and young women of small means but of great promise, some of them traveling hundreds of miles

to secure from her the New England culture of heart and mind, that they may use it for the good of our entire country.

6. She took up the cause of higher education for women when it was unpopular.

7. Every dollar given to her work strengthens the forces that are shaping our Christian civilization.

8. She has but $670,000 for carrying on work for which most New England Colleges require $2,000,000 or more.

SUMMARY OF NEEDS

1. $500,000 as an immediate addition to the permanent fund, in order to ensure the efficient maintenance of present work, the development of existing departments, the establishment of a chair of Education and a chair of History, and the increase of the salaries of the teachers to a living basis.

2. $20,000 for doubling the capacity of the present Chemical Laboratory.

3. $10,000 for renovating Science Hall and thoroughly equipping it as a dormitory. Our dormitory facilities for young men are already utterly inadequate.

4. $5,000 to pay for the furnishing of Coram Library and to secure additional appliances.

5. $50,000 as a permanent fund for the Library.

6. $150,000 for additional Scholarships for deserving students.

7. $100,000 for the erection of a new Gymnasium for the men students.

8. $100,000 for the erection and maintenance of an Astronomical Observatory and the support of its Director.

9. $50,000 for the erectio of a College Chapel.

10. $10,000 for the grading and improvement of the campus.

11. $10,000 for a student loan fund.

The total of the amounts named is more than $1,000,000. We can do a valuable work while waiting for some of these needs to be met; others of them are urgent; all of them are implied in the plan of the institution; and could they be met at once, the result would justify the outlay. The enlargement of the Chemical Laboratory, the erection of a Gymnasium for the young men and of a College Chapel, and the grading and improvement of the Campus can be delayed only with serious loss to the College.

A COLLEGE CHAPEL NEEDED

The room on the second floor of Hathorn Hall that for forty years has served as a Chapel, even with our present number of students, is crowded and ill ventilated. Nearly twenty minutes are sacrificed daily in the attempt of students to enter and to leave this room in decent order and with safety. A Chapel reserved exclusively for religious services and for kindred purposes would be of great value in the promotion of the moral and spiritual life of the College.

FORM OF A BEQUEST

"I give and bequeath to the President and Trustees of Bates College, a corporation existing in Lewiston, Me., the sum of ———— dollars, in trust, the principal of said sum to be safely invested by them, and the income thereof appropriated under their direction for the purposes of the College."

Scholarships

State Scholarships

There are ten State Scholarships (giving tuition for Instruction to ten students) in the hands of the Governor; and in bestowing them preference is given to the children of those who have borne arms in defense of their country, and always to students who are needy and meritorious.

Each of the following scholarships has been endowed by a donation of one thousand dollars, and pays the tuition for Instruction to the student elected to hold the scholarship.

Redington Scholarship--For a Lady Student

Endowed by the late Hon. Asa Redington, LL.D., of Lewiston. This is supposed to be the first instance of such an appropriation in any college.

Dudley Scholarship

Endowed by the late Alvin D. Dudley, Esq., of Haverhill, Mass.

Cheney Scholarship—For a Student from New Hampshire

Endowed by the late Hon. Person C. Cheney, A.M., of Manchester, New Hampshire.

Woodman Scholarship

Endowed by the Paige Street Free Baptist Church, Lowell, Mass., in memory of Rev. Jonathan Woodman, late pastor of the church.

Symonds Scholarship

Endowed by the Plymouth Street Free Baptist Church, Portland, in memory of Joseph Symonds, Esq., a deacon of the church.

Clements Scholarship

Endowed by the late Rev. Tisdale D. Clements of Lewiston.

Bridge Scholarship

Endowed by the late Charles Bridge, Esq., of Gardiner.

Lewis Scholarship

Endowed by the late Chace Lewis, Esq., of Providence, Rhode Island.

Class Scholarship

Endowed by the Class of 1877.

Bartlett Scholarship

Endowed by the Main Street Free Baptist Church, Lewiston, in memory of Rev. Flavel Bartlett.

Nathaniel Bowen Scholarship

Endowed by the late Mrs. Hannah Bowen of Providence, Rhode Island.

Cobb Scholarship

Endowed by the late Hon. C. C. Cobb of Lewiston, in memory of his son, Rev. Frank Woodbury Cobb, A.M., class of 1873.

Houghton Scholarship

Endowed by the late Rev. Alphonso L. Houghton, A.M., of Lawrence, Mass., class of 1870.

Randall Scholarship

Endowed by Mrs. Abby Randall in memory of Isaac Randall, Esq., of Johnston, R. I.

Williamson Scholarship

Endowed by Elias W. Williamson, Esq., of Potter's Landing, Md., in memory of his father, Rev. Stephen Williamson, of Stark.

Quinnam Scholarship

Endowed by Mrs. James Hobbs of Chicago, Ill., in memory of her father, Rev. Constant Quinnam.

Eaton Scholarship

Endowed by Mrs. Oliver H. Durrell of Cambridge, Mass., in memory of her father, Rev. Ebenezer G. Eaton of Lewiston.

Baldwin Scholarship

Endowed by the late B. C. Baldwin, Esq., of Lowell, Mass., in memory of his wife.

Bonney Scholarship

Endowed by Mrs. Harriet Cheney Bonney and Sherman G. Bonney, M.D., in memory of Calvin F. Bonney, M.D., of Manchester, N. H.

Frye Scholarship

Endowed by Hon. William P. Frye, LL.D., of Lewiston.

Nutting Scholarship

Endowed by the late Lyman Nutting, Esq., of Lebanon, Pa., in memory of his sister, Mrs. Charlotte Nutting Chadbourne.

Ellis Scholarship

Endowed by the late Miss M. A. Wales of Boston, Mass., in memory of her pastor, Rev. Rufus Ellis, D.D.

Talpey Scholarship

Endowed by the late Hon. Charles W. Talpey of Farmington, N. H.

Thissell Scholarship

Endowed by the late Mrs. Abby T. Deering of Portland, in memory of Hon. John Thissell of Corinth.

Ward Scholarship

Endowed by Mrs. Mary E. Ward, in memory of her husband, Warren Ward, Esq., of Auburn.

Bean Scholarships

Three scholarships endowed by the late Cyrus E. Bean of Portland, in memory of his father, Cotton Bean of Limerick.

Small Scholarship

Endowed by James T. Small, Esq., of Lewiston, in memory of his son, Everett J. Small, class of 1889.

Dyer Scholarship

Endowed for the benefit of some student preparing for the Christian ministry, by the late Mrs. Irene M. Higgins, in memory of her parents, Mr. and Mrs. Jonah Dyer of Cape Elizabeth.

Page Scholarship

Endowed by the late Peter Page, Esq., of New York City.

Ramsey Scholarship

Endowed by the late Mrs. V. G. Ramsey of North Berwick, in memory of her husband, Rev. G. P. Ramsey.

Mathews Scholarship

Endowed by the late John M. Mathews, Esq., of Burlington, Vt., in memory of his daughter, Orissa Frances Mathews.

Perkins Scholarship

Endowed by Mrs. Moses W. Shapleigh of Ashland, N. H., in memory of her father, Rev. Thomas Perkins.

Woodbury Scholarship

Endowed by friends of the late Charles Woodbury of Boston, for the benefit of some Methodist student.

Harmon Scholarship

Endowed by the late Ivory W. Harmon of Newton Center, Mass., in memory of his son, Wallace Ivory Harmon.

Mary L. Stone Scholarship

Endowed by the late James S. Stone of Boston, Mass., in memory of his wife.

Jordan Scholarship

Endowed by Merrill Page and Emily Deering Jordan, in honor of Rev. Zachariah and Sabrina Page Jordan.

Clapp Scholarship

Endowed by the late Lucius Clapp, Esq., of Randolph, Mass.

Lovina Haines Haskell Scholarship

Endowed by the late Edwin B. Haskell of Boston, Mass.

Fiske Scholarship

Endowed by the late Miss Elizabeth S. Fiske of Boston, Mass.

Rowe and Clarry Scholarships

Endowed by a bequest of Mrs. Emily H. C. Rowe, in memory of her daughter, Miss Emma F. Clarry, and affording free tuition to four young women, preference to be given to worthy students from Brooks, Me.

Dexter N. Richards Scholarship

Endowed by Mrs. L. M. Richards of Brookline, Mass., in memory of her husband.

Stetson Scholarship

Endowed by the late Amos W. Stetson of Boston, Mass.

John D. Philbrick Scholarship

Endowed by the late Mrs. John D. Philbrick.

William Wells Cate Scholarship

Endowed by Rev. C. E. Cate, D.D., of Providence, R. I., in memory of his brother.

E. S. Jordan Scholarship

Endowed by the late Mrs. Clara Stanton Jordan, in memory of her husband.

Foster Lee Randall Scholarship

Endowed by the late Foster Lee Randall of Lewiston.

Stanley Scholarship

Endowed by Ezra B. Stanley of Manchester, Mass.

David and Thankful Jordan Scholarship

Endowed by their children.

Hopkins Scholarship

Endowed by the late Augustus Hopkins, Esq., of Gardiner, Maine, preference to be given worthy students from Gardiner.

Herrick Scholarship

Endowed by the late Katherine Gardiner Herrick and by H. Adeliza Herrick of Lewiston, in memory of their parents, Samuel and Phebe H. Herrick, late of Northport, Me.

Tarbox Scholarship

Endowed by Oren Cheney Tarbox, M.D., Bates '80, in honor of his parents, Rev. Moses H. and Mrs. Adrianna Weymouth Tarbox. Said scholarship to be applied for the aid of any deserving student, irrespective of age, color, sex or sect, preference being given, however, to a student contemplating the Christian ministry.

Osgood Scholarship

Endowed by Col. Charles H. Osgood of Lewiston, and Amy Elizabeth Hunter of Carbondale, Pa., in honor of their father and mother, Henry A. and Elizabeth H. Osgood, for the benefit of some young man or woman from the State of Maine.

Albina Elizabeth Goodspeed Scholarship

Endowed by Jessie L. Goodspeed, Gertrude C. Goodspeed, and Henry S. Goodspeed, of the city of New York, in memory of their mother,—the preference in awarding the scholarship to be given to a woman student.

Class Scholarship

Endowed by the Class of 1887, descendants of members of the class to have the preference, when possible, in the benefits from the scholarship.

Arthur Sewall Whitehouse Scholarship

Endowed by the Class of 1875, in memory of their scholarly and beloved classmate, born August 25, 1853, died February 18, 1874.

Charles E. Moody Scholarship

Endowed by his sister, the late Frances S. Moody.

John P. Hilton Scholarship

Endowed by the late Mrs. Mary Hilton of Cambridge, Mass., in memory of her husband.

Clara B. Perkins Scholarship

Endowed by the late Benjamin F. Perkins, of Bristol, N. H., in memory of his daughter.

Lucia Spring Scholarships

Five scholarships endowed by Miss Mary Isabella Corning, of East Hartford, Conn., in memory of her aunt, Miss Lucia Spring. These scholarships are primarily available for young women, but may be assigned to young men.

Herbert L. Bradford Scholarship

Endowed by his parents, Roscoe S. and Asenath J. Bradford, in memory of their son, Herbert Loring Bradford, who died in 1883 during the first term of his Freshman year at Bates,—for the benefit of a deserving young man.

The Knowlton Scholarships

Hon. Hiram Knowlton of Portland, Maine, has deposited with the Treasurer of the College $3,000, the income of which sum is to be used, when under the stipulated conditions it shall become available, for the maintenance of the following scholarships:

William and Mary Knowlton Scholarship

To perpetuate the names of his parents.

Sabrina Wood Knowlton Scholarship

To perpetuate the name of his wife.

William James Knowlton Scholarship

To perpetuate the name of his son.

Weber Scholarships

The trustees, under the will of the late Frederick E. Weber of Boston, Mass., have given five thousand dollars for the maintenance of Weber Scholarships, for the benefit of needy and deserving students at Bates College. It is a condition of the gift that one-half of the income shall be added to the principal year by year; and that the remaining half only shall be used for the support of said scholarships.

Joseph S. Ricker Scholarship Fund

A fund of $10,000 to ensure free tuition to deserving women students—the beneficiaries to be selected, whenever practicable, from different counties in Maine.

Bradstreet Fund

Mr. William W. Bradstreet of Gardiner, Me., has established a Trust Fund of $2,000, the income of which is to be used for the benefit of deserving students, under the direction of the President of the College, and in accordance with certain conditions specified in the trust.

Coe Scholarship

A scholarship of $3,000, endowed by Thomas Upham Coe of Bangor, in memory of his brother, Eben Smith Coe. The income is awarded annually to the man in the Senior Class whose scholarship and conduct, during the previous three years of the course, have been the most meritorious. The award is made at the close of the Junior year.

Dana Estes Scholarship

A permanent scholarship of $2,500, endowed by the late Dana Estes, A.M., of Boston, the income to be awarded annually to some needy and deserving student.

Nancy Chase Edgecomb Fund

Since the suspension in 1908 of Cobb Divinity School as a Department of Bates College and the incorporation of certain of its courses with the work of the College there has been available "for and toward the maintenance and education" in the institution of "young men who are or who may be preparing themselves to preach the Gospel of Christ" and to engage in other kinds of Christian service, "and who need and who may need aid," the income of the Nancy Chase Edgecomb Fund. The amount of this income is at present about $740 annually. It is distributed by the Committee on Scholarships under the conditions above stated.

Mellen Bray Student Loan Fund

From the estate of the late Mellen Bray, formerly of Newton, Mass., the College has received $2,000, which is to constitute "The Mellen Bray Student Loan Fund." The income of this fund may be loaned at the discretion of the President of the College to needy and worthy students.

To be eligible for Scholarships, students must maintain an average rank in their college studies of 85 per cent. To be eligible for any other form of Student Aid, applicants must maintain an average rank in their college studies of 70 per cent., if Freshmen, and of 75 per cent., if Sophomores, Juniors, or Seniors. Applicants for Student Aid of any kind must be of good character, must totally abstain from the use of intoxicants and of tobacco, must be economical in all their expenditures and obedient to all College laws and regulations, and must furnish annually a correct statement of income and expenses.

Applications for aid, except from new students, must be filled out on blanks furnished for the purpose and returned to the President's office by June 1, each year. New students will be furnished, upon application, with appropriate blanks. These must be filled out and returned to the President's Office by October 15.

Prizes

First—For General Scholarship

To a young man and to a young woman of the Junior Class, prizes of TEN DOLLARS each.

To a young man and to a young woman of the Sophomore Class, prizes of EIGHT DOLLARS each.

To a young man and to a young woman of the Freshman Class, prizes of SIX DOLLARS each.

Second—For Excellence in Declamation

In the Second Term—To a young man and to a young woman of the Freshman Class, prizes of TEN DOLLARS each.

In the First Term—To a young man and to a young woman of the Sophomore Class, prizes of TEN DOLLARS each.

Commencement Week—To members of the Junior Class, one prize of SEVENTY-FIVE DOLLARS and one prize of TWENTY DOLLARS for original declamation.

Third—For Excellence in English Composition

In the Second Term—To a member of the Sophomore Class, a prize of TEN DOLLARS.

Fourth—For Prescribed Course in Reading

At the close of the year a prize of TWENTY DOLLARS is presented by Professor Oliver C. Wendell, of Harvard University, to the member of the Freshman Class giving evidence of having obtained the best results from a prescribed course in reading.

Fifth—For Excellence in Public Debate

Second Term—To a member of each division of the Sophomore Class, a prize of TEN DOLLARS.

Second Term—The Champion Debate—Prizes amounting to twenty-five dollars; ten dollars for the best debate, and fifteen dollars to the best team. Six are chosen from the Sophomore Class to compete for these prizes.

Hon. F. M. Drew awards annually gold medals to men who win intercollegiate debates.

Sixth—The Bryant Prize

Through the generosity of Mr. W. H. H. Bryant of Boston, Mass., a prize of FIFTY DOLLARS will be awarded annually to the member of the Senior Class who shall prepare the best essay upon "Arbitration instead of War."

The Coe Scholarship

A scholarship of $3,000, endowed by Thomas Upham Coe of Bangor, in memory of his brother, Eben Smith Coe. The income is awarded annually to the man in the Senior Class whose scholarship and conduct, during the previous three years of the course, have been the most meritorious. The award is made at the close of the Junior year.

For the past year the prizes have been awarded as follows:

For General Scholarship—Ray A. Clement, June Atkinson, Walter P. Deering, Mary E. Huckins, Arthur B. Hussey, Flora M. Lougee.

For Public Declamation in 1911—To the Freshman Class, James R. Packard, Marion R. Sanborn; to the Sophomore Class, James R. Packard, Helen L. George.

For Original Declamation, 1911—Ray A. Clement, Harry W. Rowe.

For English Composition—Grace J. Conner, 1913.

For best results from Prescribed Reading—Vincent Gatto, Ruth M. Morey, 1914.

For Public Debate, 1911—Leon E. Cash, Albert R. Carter, Harold C. Alley, Joseph D. Vaughan, Lewis J. White, Jeanie S. Graham.

For Champion Debate, 1911—Joseph D. Vaughan; best team, Harold C. Alley, Joseph D. Vaughan, Lewis J. White.

The Bryant Prize, 1911—Walter J. Graham.

The Coe Scholarship, 1911—Ray A. Clement.

In the Intercollegiate Debate with the College of the City of New York, the winning team consisted of Robert M. Pierce, '11; Bernt O. Stordahl, '11; Wayne E. Davis, '12.

In the Intercollegiate Debate with Clark College, the winning team consisted of Robert M. Pierce, '11; Bernt O. Stordahl, '11; Clair E. Turner, '12.

The members of the above teams received the F. M. Drew medals.

In the Sophomore Debate with the Massachusetts Agricultural College, the losing team consisted of Gordon L. Cave, Joseph D. Vaughan, Lewis J. White.

For special proficiency in the work of any department, a student may receive an honorary appointment as assistant in that work. Such appointments for the present year are as follows: Biology, Clair E. Turner, '12; Latin, Ray A. Clement, '12; English, Blynn E. Davis, '13, and Grace J. Conner, '13; Chemistry, Albert E. Jennings, Jr., '12, and George F. Conklin, Jr., '12; Mathematics, Blynn E. Davis, '13, and Joseph D. Vaughan, '13; Elocution, Wayne E. Davis, '12, and Amelia M. Astle, '12; Argumentation, Clarence I. Chatto, '12, and Harry H. Lowry, '12; History, June Atkinson, '12.

The editors of the *Bates Student* for 1912 are Blynn E. Davis, Walter P. Deering, George H. Emmons, Grace J. Conner, Margaret A. Ballard, Mary E. Huckins.

STUDENTS

Senior Class

NAME	RESIDENCE	ROOM
Abbott, Charles Ham	Presque Isle	29 P H
Allen, Samuel Leone	Fairfield	18 P H
Alley, Jessie Winnefred	Auburn	83 Gamage Ave., Auburn
Astle, Amelia Maude	Houlton	R H
Atkinson, June	Brunswick	C H
Audley, Mary Elisabeth	Gorham, N. H.	R H
Bartlett, George Maynard	Lewiston	17 R W H
Bickford, Harry Melvin	Carmel	13 H H
Blaisdell, Leo Wasgatt	East Franklin	10 Frye Street
Blanchard, Vaughn Seavy	Manchester, N. H.	33 P H
Bly, Carlton	Manchester, N. H.	20 P H
Bonney, Clinton Howard	Auburn	1 P H
Bridgham, Zela Mae	Auburn	5 South Street, Auburn
Brown, Clarence Huberto	Island Falls	4 R W H
Brunner, George Edward	Plainville, Mass.	19 P H
Brunquist, Ernest Herman	Hood River, Ore.	14 P H
Buck, Albert Whitehouse	Orland	33 P H
Campbell, Elizabeth Mason	Westbrook	R H
Chamberlain, Ross Parker	Pittsfield	13 P H
Chatto, Clarence Irving	Sargentville	1 Lafayette St
Chesley, Clair Vincent	Auburn	10 P H
Clement, Ray Allan	Goffstown, N. H.	30 S H
Cooper, Georgia Mabel	Auburn	13 Highland Avenue, Auburn
Cox, Gertrude Annie	Poland, N. Y.	R H

Davis, Hubert Paul	South Paris	2 R W H
Davis, Wayne Edward	Rochester, N. H.	2 R W H
Deering, Helen Isabel	Bridgton	C H
Doe, Charles Tristram	South Effingham, N. H.	31 S H
Downing, Ethel Elizabeth	Auburn	67 Pleasant Street, Auburn
Dunlap, Minerva Francis	Bowdoinham	C H
French, Grace Amanda	Turner	Turner
Fuller, Edward Hersey	Auburn	10 P H
Gray, Florence	Lewiston	15 Webster Street
Hart, Bessie Bonita	Farmington, N. H.	R H
Hodgdon, Fredrika Ernestine Lewis	Portland	R H
Hooper, William H.	Gorham	12 P H
Howard, Hazel Egeria	Lewiston	80 Walnut Street
Humiston, Ruth Tarbell	East Jaffrey, N. H.	C H
Irvine, Iantha	Thomaston	R H
Jecusco, Frederick Paul	Ansonia, Conn.	25 R W H
Jennings, Albert Eaton, Jr.	Auburn	6 P H
Jones, Annabel May	South China	C H
Kierstead, Fred Harold	Merrimac, Mass.	18 P H
Kincaid, Abigail Margaret	South Portland	R H
*Knights, Charles Clarke	Marshfield Hills, Mass.	22 P H
Lamorey, Jesse James	Manchester, N. H.	20 P H
Lane, Walter Eben	Litchfield, R. F. D. 18	6 P. H.
Lewis, Flossie May	Biddeford	597 Main Street
Linehan, Joseph Aloysius	Auburn	77 Second Street, Auburn
Lowry, Harry Havelock	Providence, R. I.	14 P H
McGraw, Helen Elisabeth	Lewiston	45 Lowell Street
Merrill, Earle Duley	Madison	13 H H
Meserve, Helen Katherine	Jackson, N. H.	R H
Morrison, Arthur Chester	Ashland, N. H.	1 P H
Morse, Alvin Strickland	Mechanic Falls	Mechanic Falls
Morse, Mary Chadbourne	Waterford	M H

Neal, Beatrice Evelyn	Auburn	45 Jefferson Street, Auburn
Nevers, Frank Alexander	Houlton	29 P H
Noyes, Wilhelmina Irene	Auburn	9 Vernon Street, Auburn
Pingree, Mary	Boston, Mass.	R H
Purington, Claramay	West Bowdoin	R H
Rand, Albert Ayer	Bradford, Mass.	28 Frye Street
Redman, Mary Evangeline	Newport	R H
Remmert, William Frederick	Stafford, Conn.	9 P H
Rhoades, Carl Tracy	Harmony	19 R W H
Richards, Alice Helen	East Livermore	C H
Rideout, Florence Annie	Norway	R H
Ring, Christina Isabell	Lewiston	67 Walnut Street
Robinson, Melissa Flora	Dover	R H
*Roseland, Harold Tribou	Unity	20 P H
Rounds, Ada Rosenburg	Mechanic Falls	R H
Rowe, Harry Willison	Pittsfield	19 R W H
Sawtelle, Verna Maritta	Auburn	2 Grove Street, Auburn
Smith, Angie A.	Woodbury, Conn.	229 Oak Street
Smith, Leonard Seymour	Shelburne Falls, Mass.	8 P H
Spiller, Roxanna Elizabeth	East Barrington, N. H.	C H
Stearns, Josephine Barker	Norway	R H
Sweetser, Mary Ruth	Hollis, N. H.	R H
Tubbs, Margaret Thurston	Lewiston	129 Wood Street
Tucker, John Richard	Litchfield	6 P H
Turner, Clair Elsmere	Lewiston	1 Lafayette Street
Twombly, Belle Louise	Worcester, Mass.	C H
Walsh, Walter Harrison	Spencer, Mass.	17 R W H
Webber, Lenora Goldie	York Village	R H
Welch, Howard Abner	North Attleboro, Mass.	6 R W H
Whitman, Wheatie Clare	Lewiston	95 College Street
Yeaton, Donna Lillian	Belgrade	R H
Yeaton, Paul M.	Belgrade	32 P H

*Provisional candidates for a degree.

Junior Class

NAME	RESIDENCE	ROOM
Adams, Enoch Hermon	Belgrade	32 P H
Adams, Frank Clason	Belgrade	32 P H
Allen, Lloyd Carroll	Auburn	26 P H
Alley, Harold Cushman	Auburn	26 P H
Atto, Bessie Mae	Bethlehem, N. H.	R H
Ballard, Margaret Aimee	Fryeburg	R H
Barr, Ralph Raymond	Lewiston	71 Sabattus Street
Bassett, Roscoe Conkling	Alton, N. H.	11 P H
Bennett, Warren Leroy	North Bridgton	37 P H
Bessey, Elwood George	Dexter	23 R W H
Blake, Verne	Haverhill, Mass.	R H
Bolster, Ralph Harold	Easton	17 P H
Bonney, Ralph Merrill	Turner Center	30 P H
*Brackett, Vernon Kilby	Milbridge	31 First Avenue, Auburn
Cameron, Vera Catherine	Fryeburg	R H
Carter, Albert Raymond	Bluehill	173 Wood Street
*Cash, Leon Eugene	Oxford	39 P H
Cave, Gordon Luther	Centre Strafford, N. H.	16 P H
Cheever, John Plympton	Plainville, Mass.	25 P H
Cole, Arthur Russell Clason	Gardiner	11 P H
Conklin, George F., Jr.	Boston, Mass.	9 P H
Conner, Grace Jarvis	Auburn	15 Weaver Street, Auburn
Corey, Verna May	Searsport	R H
Currier, Elaine	Andover, N. H.	R H
Currier, Hazel Narinda	Andover, N. H.	R H
Cutts, Ethel Batson	Merrimac, Mass.	R H
*Davis, Blynn Edwin	Bridgton	21 R W H

Day, Florence Augusta	West Kennebunk	R H
Deering, Walter Preston	Bridgton	31 P H
*De Lano, Alton Irwin	Oxford	39 P H
Dennis, Carlton Amory	Worcester, Mass.	15 P H
Dexter, Burt Lee	Whitefield, N. H.	33 R W H
Dickson, John Hewson, Jr.	Lewiston	38 Davis Street
Dickson, Margaret Henrietta	Lewiston	38 Davis Street
Dolloff, George Ronello	Wiscasset	40 S H
Doughty, Elizabeth Emily	Lisbon Falls	M H
Durrell, Lynne Howard	Kingfield	29 R W H
Dyer, Edna Caroline	So. Portland	R H
Emmons, George Hinckley	Lewiston	88 Howe Street
Estes, Alice Effie	Auburn	18 Laurel Avenue, Auburn
Fales, Ione Bertha	Lewiston	3 Shawmut Street
Feinberg, Abraham Selig	Marshfield, Mass.	22 P H
Folsom, Annie Lora	Lewiston	8 Cottage Street
George, Edith Adeline	East Walpole, Mass.	R H
Goudy, Mildred Irene	South Portland	R H
Gove, Guy Harold	Dexter	12 R W H
Graham, Jeanie Sewell	Warwick, Mass.	R H
Griffin, Ernest Harrison	South Portland	25 P H
Grindle, Wade L.	So. Penobscot	13 P H
*Hall, Lincoln	Marshfield, Mass.	8 P H
Hall, Lora Edna	Foxcroft	R H
Hamilton, Marion Lovina	Falmouth	R H
Harris, Le Roi	Chelsea, Mass.	P H
Holden, Gladys Marie	North Billerica, Mass.	R H
Holmes, Mary Louise	Lewiston	49 Chapel Street
*Houston, Howard Raymond	Bucksport	18 P H
Huckins, Mary Esther	Rochester, N. H.	W H
*Hull, Frank Jay	Greene	15 P H
Jewett, Frank Harold	Dexter	2 P H

Jones, Beatrice Leona	Auburn	65 Summit Street, Auburn
Jordan, Leila Erdine	Caribou	44 Cottage Street
Kempton, William Riley	Rangeley	2 P H
Kidder, Henry Wadsworth Longfellow	Richmond	31 P H
Lougee, Marguerite Emma	Lewiston	141 Nichols Street
Lougee, Nellie Delphine	Lewiston	141 Nichols Street
Lovell, William Edwin	West Springfield, Mass.	19 P H
Lowry, Wesley Allen	Providence, R. I.	S H
McCann, Harriet Lucy	Mechanic Falls	R H
McDaniel, John Frank	East Barrington, N. H.	9 R W H
McLean, Mary Emma	Augusta	R H
Macomber, Edith Marguerite	Winthrop	R H
Manter, Franklin Henley	Whitefield, N. H.	21 P H
Mills, Lillian Bessie	Dunbarton, N. H.	112 Wood Street
Nickerson, Paul Sumner	Medford, Mass.	30 P H
Norton, Dora Maude	Gardiner	M H
Pennell, Walter Johnson	Kingfield	11 R W H
Pillsbury, Lulene Aura	Rangeley	M H
Plumstead, Joseph Edwin	South Portland	25 P H
Quimby, Francena Augusta	Auburn	M H
Rackliffe, Mabel Loveland	New Britain, Conn.	M H
Rollins, Aletha	Lewiston	84 Wood Street
Ross, Bernard	Lisbon	Lisbon
Sawyer, Louise Frances	Lewiston	70 Elm Street
Sawyer, William Hayes, Jr.	Limington	22 P H
Seeley, George Mervil	Houlton	4 R W H
Slade, William Franklin	Gray	29 R W H
Sleeper, Frank Eugene, Jr.	Sabattus	Sabattus
Smith, Alice Carey	Ashland, N. H.	R H
Smith, Mary Elizabeth	Centre Sandwich, N. H.	R H

Smith, Myra Etta	Merrimac, Mass.	M H
Smith, Ruth Evelyn	Gorham	M H
Stanhope, Charles Nason	Foxcroft	2 R W H
Thing, Alice	Limerick	M H
Thing, Emma Rachel	Limerick	M H
Tibbetts, Charles Byron	Berwick	31 R W H
Tibbetts, Margarita Elizabeth	Brooklyn, N. Y.	R H
Tuttle, Kathlene Helen	Auburn	28 James Street, Auburn
Tuttle, Roy Melvin	Lisbon Falls	34 S H
Vaughan, Joseph Dyer	Norridgewock	12 R W H
Vose, Helen	Sabattus	Sabattus
Walsh, William Augustine	Lewiston	8 Wood Street
Weeks, Amy Louise	Auburn	220 Turner Street, Auburn
White, Lewis Julian	Bangor	28 P H
Whitehouse, Ruby Dorothy	Monmouth	R H
Whittemore, Bertha	Jay	W H
Wilson, Clinton Donnelly	Plymouth, N. H.	30 P H
Woodman, Gladys Leona	Auburn	R F D 6, Auburn
Woodman, Harry Andrews	Portland	34 P H

*Provisional candidates for a degree.

Sophomore Class

NAME	RESIDENCE	ROOM
Adams, Edith	Auburn	22 Vernon Street, Auburn
Aikins, Ellen May	South Windham	C H
Allen, Barnard Llewellyn	Three Rivers, Mass.	R W H
Andronis, Nicholas	Springfield, Mass.	36 S H
Baker, William Asa	Richmond	36 R W H
Barrow, Elwyn Greaves	Newport, R. I.	35 R W H
Blethen, Helena Horton	Rockland	M H
Bosworth, Elliott Beaman	Winchendon, Mass.	4 P H
Brady, James Tracey	Holbrook, Mass.	99 College Street
Carville, Alonzo	Minot	P H
Chapman, Clara Augusta	Auburn	30 Lake Auburn Ave.
Chase, Evelyn	Portland	M H
Clapp, Harold Bertell	Gray	45 P H
Coady, Kempton Joseph	Patten	17 P H
Cobb, Percy Chadwick	Gardiner	36 P H
*Cooper, Herbert Almon	Berwick	16 P H
Cox, Lyman Prescott	Manchester, N. H.	21 P H
Crandlemire, Halliberton	Millinocket	34 R W H
Currie, Grace Emma	Attleboro, Mass.	R H
*Danahy, John Henry	Everett, Mass.	36 P H
Dexter, Daniel Sheehan	Lewiston	15 P H

Dow, Philip Huse	Gray	6 R W H
Downs, Helen Jane	Riverhead, N. Y.	M H
Drake, Eugene Henry	Pittsfield	34 P H
Drumm, Enos Michael	Thomaston, Conn.	12 P H
Dunham, Louise Sargent	Portland	R H
Dunlap, Vining Campbell	Bowdoinham	12 P H
Dyer, Clarence A.	South Portland	34 P H
Eldridge, Rich Phillips	Gardiner	
Ellis, Eugene Webster	Springfield, Mass.	36 S H
Estey, Rebecca Jane	Lisbon Falls	M H
Evans, Signa Louise	Newport, N. Y.	R H
Fales, Edith Gertrude	Thomaston	M H
Ferguson, Dora	W. Wrentham, Mass.	R H
Fish, Clarence Ralph	Appleton	42 P H
Fisher William Livingston	Manchester, N. H.	R W H
Fletcher, Walter Ray	Dryden	26 P H
Foss, Helen Elizabeth	Northboro, Mass.	C H
Fowler, Rena Etta	Farmington	R H
Freese, Carrie Mae	Gorham	C H
Garcelon, Mona Cobb	Lewiston	524 Main Street
Gatto, Vincent	Springfield, Mass.	36 S H
George, Helen Louise	E. Walpole, Mass.	R H
Goss, Marguerite	Lewiston	94 Nichols Street
Hadley, Charles Elmer	Lewiston	53 Shawmut Street
Hadley, Nellie Louise	Lewiston	53 Shawmut Street
Haggerty, Albert Thomas	Houlton, R F D 6	43 P H
Haggerty, Jasper Charles	Houlton, R F D 6	16 P H
Ham, Austin Russell	Lewiston	S H
Ham, Lloyd Blinn	Cedar Grove	94 Nichols Street
Hamilton, Herbert W.	Brockton, Mass.	18 Wakefield Street
Harmon, Reginald Frank	Abbot Village	P H
Harriman, Henry Andrew	Gardiner	27 P H
Hill, James Frank	Gray	45 P H

*Holt, Clifton Bailey	Lewiston	34 Vale Street
Humiston, Helen Ensworth	E. Jaffrey, N. H.	M H
Hussey, Arthur Burton	Leominster, Mass.	32 R W H
James, Leon Charles	Christiansburg, Va.	35 R W H
Jecusco, Francis Stevens	Ansonia, Conn.	31 High Street
Judkins, Elsie Elizabeth	Kingston, N. H.	363 Main Street
Keaney, Allan Jay	Cambridge, Mass,	28 P H
Keer, Robert Henry	Berwick	40 P H
*Knight, Melvin Colby	Westport	23 R W H
Leavitt, Frank Oliver	Effingham, N. H.	27 R W H
Lee, Karl Dayton	Leominster, Mass.	17 R W H
Leonard, William Clement	Lewiston	118 Horton Street
Libby, Ellen Holden	Portland	M H
Lindsay, Harry William	Cambridge, Mass.	28 P H
Lord, Marion Emma	Lisbon Falls	W H
Lougee, Flora Marion	Lewiston	141 Nichols Street
Lovejoy, Maude E.	North Chesterville	R H
McCann, William Webster	Mechanic Falls	30 S H
McCarthy, Ellene Leo	Lewiston	126 College Street
McDaniel, Bertha May	East Barrington, N. H.	M H
McNish, James Francis	Ansonia, Conn.	High Street
Marsden, George Charles	Auburn	40 P H
Mathews, Floyd Osborn	St. Albans	23 P H
Moore, Ernest Merrill	Gardiner	
Morey, Ruth Mildred	Lewiston	161 Wood Street
Morgridge, Ralph Vernard	Dexter	34 P H
Moulton, Onsville Joshua	Gorham	35 P H
Mowry, Christine Pierce	Lubec	M H
Neal, Clara Bertha	Farmington, N. H.	R H
Nevers, Hazen Rainsford	Houlton	29 P H
Nichols, Mary Elizabeth	Lewiston	38 Jefferson Street

Noyes, Harold Greenough	East Wilton	2 P H
*O'Connell, Lawrence Raymond	Millinocket	17 P H
Packard, James Roy	Monmouth	30 S H
Paige, Mildred May	Manchester, N. H.	R H
Parker, Royal Bradbury	Auburn	23 Dexter Avenue, Auburn
Partridge, Donald Barrows	Norway Lake	13 P H
Patten, Bessie May	Pittsfield	M H
Pease, Helen Frances	No. Parsonsfield	M H
Perry, Frances Dunbar	New Bedford, Mass.	R H
Pierce, Edna Walker	Augusta	R H
Pike, Winchester Wadsworth	Hiram	47 P H
Pratt, George Burton	Lisbon Falls	24 P H
Rawson, Shirley Jay	South Paris	54 P H
*Reagan, Francis J.	Cambridge, Mass.	4 P H
Record, Lola Mable	East Auburn	East Auburn
Redman, Floyd Alton	Exeter	35 S H
Rogers, Charles Talbot	New Gloucester	P H
Rowell, Etta May	Concord, N. H.	M H
Ryder, Mildred May	Orrington	C H
Ryther, Harry Morgan	Enfield, Mass.	166 Holland Street
Sanborn, Marion Rae	Auburn	215 Summer Street, Auburn
Sargent, Rachel Louisa	Exeter, N. H.	143 Wood Street
Schubert, Arthur	Boston, Mass.	25 R W H
Segal, Rebecca	Lewiston	113 Bates Street
Shepard, Ray Arthur	Gardiner	35 P H
Shores, Venila Lovina	Lyndon Center, Vt.	8 Vale Street
Small, William Drew	Lewiston	363 Main Street
Smalley, Mabel Shirley	Onset, Mass.	R H
Smith, Frederick	Meredith Center, N. H.	14 R W H

Smith, Harold Morrison	East Grafton, N. H.	101 Wood Street
Stinson, Parker Burroughs	Wiscasset	31 S H
*Stinson, Roy Albert	Wentworth, N. H.	R W H
Sturtevant, Geneva Whitman	Norway	R H
Sullivan, Louis Robert	Houlton	47 P H
Swasey, Guy Henry	Lincoln	35 S H
Sylvester, Laurance Bray	Harrison	21 R W H
Sylvester, Ruth Bartlett	Harrison	C H
Tabor, Aubrey Wintworth	Waltham, Mass.	13 P H
Tackaberry, William George	Lewiston	322 Bates Street
Tarbell, Arthur Elwood	Lisbon	Lisbon
Tash, Dora Clark	Lewiston	Lisbon Road
Thompson, Clinton Ray	Lewiston	582 Main Street
Thrall, George Herbert	Leicester, Mass.	146 Wood Street
Tibbetts, Helen	Brooklyn, N. Y.	R H
Tomblen, Robert Lucius	Montague, Mass.	24 P H
Wandtke, Alice Anna	Lewiston	38 Bridge Street
Ward, Gladys Irene	Richmond Corner	425 Main Street
Warren, Wilbert Scamman	South Portland	24 P H
Webber, Elmer Harrison	Mt. Vernon	368 College Street
Webber, Warren Wilbur	Mount Vernon	368 College Street
Wilson, Harold Alvan	Groveton, N. H.	54 P H
Woodman, Lawrence Chauncey	Strafford, N. H.	41 P H
Woodward, Hazel Elena	Dresden Mills	195 Oak Street
Wyman, Lorenzo Norton	Kingfield	11 R W H

*Provisional candidates for a degree.

Freshman Class

NAME	RESIDENCE	ROOM
Abbot, Harold C.	Dorchester, Mass.	179 Main Street
Aikins, William Edwin	South Windham	18 Frye Street
Anderson, Charles Irving	Plymouth, N. H.	34 S H
Ayer, William Robinson	Milton Mills, N. H.	92 Wood Street
Baldwin, Grover Cleveland	Island Falls	16 Frye Street
Barden, Russell Thomas	Plainville, Mass.	42 P H
Bartlett, Frances Ellen	East Stoneham	M H
Bassett, Mildred Sara	Rochester, N. H.	W H
Bates, Russell Thomas	Quincy, Mass.	237 Oak Street
Bayer, Charles Henry Thomas	Limerick	R W H
Beane, Ruth Nettie	Norway	570 Main Street
Belleau, Adrienne Annette	Lewiston	343 Sabattus Street
Blair, Earle M.	Manchester, N. H.	33 P H
Blanchard, Thomas Harold	Gardiner	27 P H
Brooks, Harry W.	Randolph	35 P H
Bryant, Frances Violet	Richmond	377 Main Street
*Butler, Harold Alpheus	Wilton, N. H.	27 R W H
Carey, Leslie Roy	Ashland, N. H.	24 Frye Street
Carlson, William Fritz	North Easton, Mass.	68 Wood Street
Chapman, Veva Marie	Auburn	30 Lake Auburn Ave., Auburn

Clacey, Edith Reed	Lewiston	70 Howe Street
Clark, Ella Gertrude	Norway	250 College Street
Clark, Millard Cressey	Bethlehem, N. H.	108 Nichols Street
Clifford, Earle Robinson	South Paris	23 P H
Clifford, Harold Burton	Winthrop	431 Main Street
Cole, Marion Ruth	Crystal, N. H.	18 Arch Avenue
Corcoran, John Frank	Norwich, Conn.	86 Nichols Street
Crawford, Harold Calder	Jefferson, N. H.	16 Frye Street
Crockett, John Linwood	Durham	28 P H
Crook, George Washington	Berwick	31 R W H
Currie, Ida Beatrice	Lewiston	159 Middle Street
Davis, Horace Junkins	Rochester, N. H.	149 College Street
Dickey, Ralph Clark	Augusta	40 S H
Dolliver, Isabel Franklin	Manset	W H
Dunn, Roscoe Loring	Auburn	48 Dennison Street, Auburn
Durgan, Mabel Cushing	Island Falls	M H
Ebbett, Raymond Vincent	Caribou	78 Nichols Street
Everett, Archie Vernon	Fort Fairfield	247 College Street
Foster, Abbie Elizabeth	East Corinth	2 Davis Street
Fuller, Carleton Stuart	North Turner	1 White Street
Gahan, Laurence Elwyn	Dresden	94 Nichols Street
Gerry, Ernest Melvin	East Corinth	87 Elm Street

Gooding, Ralph Woodford	Presque Isle	51 P H
Goodwin, Harry Samuel	Union, N. H.	92 Wood Street
Googins, Mabel Gertrude	Portland	M H
Gordon, Forest Chandler	Auburn	164 Gamage Avenue, Auburn
Gould, Sherman Jewett	New Portland	107 Nichols Street
Gray, Franklin Mark	Houlton	237 Oak Street
Gray, Vera Christine	South Brewer	W H
Greenan, John Thomas	Jersey City, N. J.	86 Nichols Street
Greene, Marian Gwendoline	Vinalhaven	W H
Gustin, George B.	Sabattus	Sabattus
Hale, Etta Izella	Bridgton	691 Main Street
*Hammond, Charles H.	Auburn	Auburn
Harding, Earl Atherton	Pittsfield	34 Vale Street
Harvey, Albert Burnham	Foxcroft	149 College Street
Hellen, John Carleton	Auburn	324 Minot Avenue
Hertell, Helen Dorothy	Lewiston	384 Main Street
*Higgins, Charles Henry	Auburn	43 Winter Street, Auburn
*Hill, Raymond	Athol, Mass.	8 P H
Hilton, Helen May	Phillips	340 College Street
Hooper, Florence May	Gorham	M H
Horne, Harry Lennon	Norway	51 P H
Howard, Maude Harriette	Lewiston	44 Wood Street
Hoy, Frank Samuel	Lewiston	3 Montello Street
*Ingalls, Harold Clifford	Marblehead, Mass.	35 P H
Irish, Rachel May	Turner	W H
Isaacson, Benjamin	Auburn	18 Second Street, Auburn
Jewell, Winifred Frances	Merrimac, Mass.	M H
Jewett, Herbert George	Dexter	40 S H

Jordan, Louis	West Falmouth	173 Wood Street
Kimball, Ida Florine	Bath	W H
Knight, Lewis Bert	Limestone	68 Wood Street
Leighton, Jessie Aurelia	Lewiston	88 Elm Street
Libby, Bert	North Turner	283 Turner Street, Auburn
Lindquist, Richard Leonard	Orange, Mass.	10 P H
Lynch, Frederick James	Cambridge, Mass.	14 Union Street
McCloud, George Mullin	Dorchester, Mass.	28 Frye Street
McCullough, Welcome William	Saugus, Mass.	126 College Street
Malone, Hannah Frances	Ellsworth	W H
Mansfield, Allan William	Jonesport	78 Nichols Street
Manuel, William Frederick	Houlton	36 Frye Street
March, Clarence Eugene	Auburn	Turner Street, Auburn
*Meader, James Laurence	Rochester, N. H.	108 Nichols Street
Meader, Norman Daniel	Rochester, N. H.	108 Nichols Street
Merrill, Gertrude Hersom	Gray	185 College Street
Merrill, Gladys Amelia	Auburn	143 Pleasant Street, Auburn
Mills, Una Mae	Dunbarton, N. H.	3 Shawmut Street
Morrell, Barbara Nichols	Merrimac, Mass.	W H
Mullen, Henry Pierce	Somersworth, N. H.	247 College Street
Nash, Forrest Sylvanus	Cambridge, Mass.	10 Frye Street
Nevens, Viola Bliss	Lewiston	436 Main Street

Nichols, Paul Frothingham	Ashburnham, Mass.	166 Holland Street
Nilsson, George Gordon	Boston, Mass.	32 R W H
Noyes, Earl Cameron	East Corinth	87 Elm Street
O'Donnell, William Thomas	East Boston, Mass.	11 P H
Oliver, Chester B.	Winnegance	179 Main Street
Page, Geneva Adelle	Bucksport	M H
Perkins, Orman Clarence	Leeds Junction	239 Court Street, Auburn
Pidgeon, Edwin Francis	Cambridge, Mass.	10 Frye Street
Richardson, Norman Cushman	Hebron	28 Frye Street
Rideout, Edith May	Norway	R H
Ridlon, Andrew Gardener	East Rochester, N. H.	34 S H
Roberts, Mary Lillian	Georgiaville, R. I.	W H
Rosenbloom, Sarah	Lewiston	210 Park Street
Rowley, Philip William	Gloucester, Mass.	85 Nichols Street
Saxton, Ernest Leroy	Meriden, Conn.	200 College Street
Seavey, John Stark	Gonic, N. H.	237 Oak Street
Shaw, Edward Silas	Auburn	113 Spring Street, Auburn
Shaw, George Weyman	Blaine	51 P H
Small, Elmer Owen	Bowdoinham	45 Main Street, Auburn
Small, Ernest Libby	Lewiston	240 College Street
Smiley, Alma Velena	Caribou	W H
Smith, Camilla Hight	Westbrook	256 College Street
Smith, Paul Rexford	Belfast	47 Winter Street, Auburn
*Soper, Chester Abram	Minot	Minot
Stephanis, Costas	Brooklyn, N. Y.	145 Nichols Street

Stone, Carl Raymond	Lisbon Falls	Lisbon Falls
Stuart, Annie Greenleaf	Lewiston	81 Elm Street
Talbot, George Keating	Gardiner	27 P H
Thomas, Arnold Francis	Winthrop	34 Vale Street
Thompson, Amy Adwyna	Biddeford	32 Frye Street
Thurston, Cleveland	Newcastle	103 Wood Street
Tilton, Gladys Louise	Somersworth, N. H.	W H
Tracy, Charles Ripley	St. Albans	237 Oak Street
Tucker, Bethania	South Orange, N. J.	W H
Wadsworth, Mary Esther	West Gardiner	M H
Waldron, Lena Vernice	Center Strafford, N. H.	M H
Walker, John Card	Mechanic Falls	Mechanic Falls
Walsh, Cecilia Frances	Lewiston	8 Wood Street
Watson, Harry Hinckley	Patten	78 Nichols Street
Wheeler, Pearl Frances	Lewiston	29 Vale Street
Wheeler, Ruby Marion	Lewiston	29 Vale Street
Wight, Howard Marshal	Harrison	10 Frye Street
Williams, Clyde Carlton	Granby, Mass.	427 Main Street
Wilmot, Roland Theodore	Gonic, N. H.	108 Nichols Street
Witham, Kenneth Farwell	South Paris	87 Wood Street
Wood, Elizabeth May	Lewiston	186 Blake Street
Wright, Harold Sylvester	Lewiston	171 Oak Street

*Provisional candidates for a degree.

Special Course

NAME	RESIDENCE	ROOM
Davis, Leon Edward	Lubec	47 P H
Fossett, Harlon Melvin	Pittston	53 P H
Graham, George Malcolm	Topsham	33 R W H
Howe, Donald Williams	Enfield, Mass.	166 Holland Street
Kravzoff, Aaron Henry Benjamin	Newark, N. J.	96 Main Street
Miner, Howard Root	Gardiner	34 R W H
Moulton, George Burleigh	Mechanic Falls	84 Wood Street
Moulton, Joseph Langdon	Mechanic Falls	84 Wood Street
Shay, Patrick Henry	Fall River, Mass.	14 Union Street

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H H—Hathorn Hall
R W H—Roger Williams Hall
P H—Parker Hall
S H—Science Hall
R H—Rand Hall
C H—Cheney House
M H—Milliken House
W H—Whittier House

Graduates of 1911

Andrews, Waldo Vanderbilt
Barnard, Hazel Belle
Bishop, John Garfield
Blake, Irving Hill
Brann, Una Eliza
Carroll, James Henry
Catheron, Robert Graham
(As of the Class of 1903)
Chamberlain, Pauline Burnham
Chandler, Irene May
Chase, Edna Baker
Cheetham, Charles Lee
Clason, Charles Russell
Clason, Freeman Pell
Clifford, Caroline Mabelle
Cox, Rita May
Cox, Sidney Hayes
Crockett, Elsie Beulah
Curtis, Emma Zilpha
Damon, Lawrence Wilson
Davis, Helen Juniata
Douglas, Chester Augustine
Dow, Ralph Pennell
Dow, Sarah Helena
Dunfield, Isaac Burten
Dunn, Howard Westmont, Jr.
Dwinal, Genevieve Ella
Dwyer, Agnes Cecilia
Erskine, Justus Stanley
French, Gertrude May
French, Stanley Increase
Graham, Walter James
Green, Everett Welles
Guptill, Roger Stillman
Hackett, Beulah Frances
Hayes, Susan Elsie
Hillman, Frederick Walter
Hines, Marcella Mildred
Hodgkins, Alton Ross
Houdlette, Nola
Howard, Lewis Warren
Howard, Lura Maude
Huntington, Ray Merton
Ingersoll, Elisabeth Frances
Jenkins, Edna Marguerite
Jose, Lillian Charlotte
Keaney, Frank William, Jr.
Kemp, Marion Tabor
Kincaid, Isabell Montgomery
Knowles, Mary Ellen
Leard, Hazel Pearl
Lewis, Grace Marion
Little, Eulela Maud
Lombard, Clarence Willard
Lord, Charles Emerson
Lovely, Eugene Vernon
Lowe, Elsie Washburn
McCann, Sarah Webster
McKee, Charlotte Winifred
McKusick, Leon Roy
Mann, Edna Winifred
Manter, Marion Edna
Marr, Alberta Maddocks
Marston, Annie Stanton
Mathews, Walter Ellwyn
Maxim, Alton True
(As of the Class of 1905)
Morrison, William
Moulton, Louisa
Nichols, Ambrose Jennings
Parsons, Grace Ina
Peakes, John Edwin
Pelletier, John Baptiste
Pemberton, Edith May
Phillips, Nathaniel 2d
(As of the Class of 1909)
Pierce, Robert Milton
Preston, Wallace Franklin
Quincy, Frank Brick
Randlett, Lillian Arvilla
Ray, Carrie Agnes
Richardson, Frank Benjamin
Robertson, Harold Chester
Robinson, George Henry
Stanhope, Effie Mae
Stordahl, Bernt O.
Strout, Roy Merrill
Stuart, Fred Roebling
Tasker, Winifred Grace
Taylor, Charles Edward
Tebbetts, Arthur
Thorpe, Willis Elwood
Towle, Ruth Ann
Townsend, Drusilla Irene
Turner, Horace Franklin
Waldron, Mary Cook
Weymouth, Frederick Rogers
Whipple, Ralph Clarence
Whittier, Elizabeth Marian
Williams, John Lincoln
Wright, Mary Payson
Wyman, Gulie Annette

Commencement Honors

Language
- Charles Russell Clason
- Freeman Pell Clason
- Bernt O. Stordahl
- Rita May Cox
- Susan Elsie Hayes
- Elizabeth Marian Whittier
- Gulie Annette Wyman

Philosophy
- Sidney Hayes Cox
- Ralph Pennell Dow
- Edna Baker Chase
- Sarah Helena Dow
- Alberta Maddocks Marr

Science
- Charles Lee Cheetham
- Ambrose Jennings Nichols
- Roy Merrill Strout
- Warren Neal Watson
- Frederick Rogers Weymouth
- Una Eliza Brann
- Genevieve Ella Dwinal
- Nola Houdlette

A.M., *pro merito*
- Mrs. Gertrude Libbey Anthony, Class of 1901.
- Katharine Lola Shea, Class of 1902.

A.M., *causa honoris*
- Mrs. Lillian M. N. Stevens
- Willis E. Lougee
- Rev. Dr. George F. Durgin

D.D.
- Rev. Albert Matthias Gardner

Litt.D.
- Thomas Tapper

Bates Alumni Associations

General Association

President, Herbert V. Neal, '90, Galesburg, Ill.

First Vice-President, F. E. Parlin, '86, Cambridge, Mass.

Second Vice-President, L. M. Sanborn, '92, Portland, Maine.

Third Vice-President, Dr. W. B. Cutts, '91, Providence, R. I.

Secretary-Treasurer, John L. Reade, '83, Lewiston, Maine.

Chairman Executive Committee, Dr. F. S. Wakefield, '95, Lewiston, Maine.

Boston Association

President, Hon. Carl E. Milliken, '97, Island Falls, Maine.

Secretary, Richard B. Stanley, Esq., 35 Congress Street, Boston, Mass.

New York Association

President, Frederick E. Emrich, Jr., '91, 807 Beverly Road, Brooklyn, N. Y.

Secretary, Mortimer E. Joiner, Esq., '93, 115 Broadway, New York, N. Y.

Cheney Club

President, George H. Libby, 1889, Manchester, N. H.
Secretary, Alethea C. Meader, '09, Penacook, N. H.

Stanton Club

President, Scott Wilson, Esq., '92, Portland, Me.

Secretary, Lauren M. Sanborn, Esq., '92, 95 Exchange Street, Portland, Me.

Connecticut Valley Association

President, Dr. W. N. Thompson, '88, 30 Washington Street, Hartford, Conn.

Vice-President, Arthur P. Irving, '93, Principal Buckingham Grammar School, Springfield, Mass.

Secretary-Treasurer, Rev. E. B. Smith, '04, Lebanon, Conn.

Chairman Executive Committee, Clarence E. Brockway, '78, Superintendent of Schools W. Springfield, Mass.

Rhode Island Association

President, Dr. Frank B. Fuller, '75, Pawtucket, R. I.

Secretary, Dr. Dennett L. Richardson, '00, 430 Pine Street, Providence, R. I.

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